

Can Humans Breathe Liquid?

Animal familiarized itself with its new surroundings and started to breathe

However, Deputy Prime Minister Dmitry Rogozin is planning to change the fact of being able to breathe underwater through his project on liquid breathing. The first test run has been quite a success: a Daschund was placed inside and special liquid-filled tank. While anyone with a brain would expect it to drown and die a slow and painful death, the animal familiarized itself with its new surroundings and started to breathe as if nothing had happened.



When the dog was removed from the liquid, the laboratory staff wiped it with a towel, and the head of the Serbian delegation saw that the dog was in a perfectly fine condition. To further prove his point, he stroked the dog and noted that he was very impressed with the experiment.

Project manager Fedor Arseniev, on behalf of the Foundation for advanced studies has brought up the

breathe 500 metres under the water for up to 30 minutes. The technology will be specially used for submarine crew rescues.

Scientists in Russia have begun testing a liquid breathing technology on dogs, said Vitaly Davydov, deputy managing director of the Advanced Research Foundation, the organization funding the project.

Liquid breathing makes it possible to fill the lungs with a special oxygen-rich liquid, which then maintains oxygen levels in the blood. This technology is expected to be particularly useful in rescuing submarine crews from underwater depths. With the liquid in their lungs supplying the body with oxygen, submariners should be able to quickly rise to the surface and avoid the often deadly decompression sickness (divers' "occupational hazard" resulting from a rapid ascent and of a sharp drop in pressure). Also, the technology could be used by pilots and astronauts.

"We saw a red dachshund being put into a large water-filled vessel, face down. We were outraged at how the dog was being treated for surely it was about to drown. Or was it? The dog spent some 15 minutes underwater", said Rossiyskaya Gazeta correspondent Igor Chernyak, who was present at the experiment. "It turned out that the dog's lungs were filled with an oxygen-rich liquid, which allowed it to breathe underwater. When released, the dog did seem a bit listless. They said it was because of the cold (while I say, it was probably fed up sitting there stuck in a jar for everyone to see). However, several minutes later it was its normal self again."

The technology is being developed by the Russian Research Institute of Occupational Health. Researchers first tested it on mice and other small animals and have now moved to dogs.

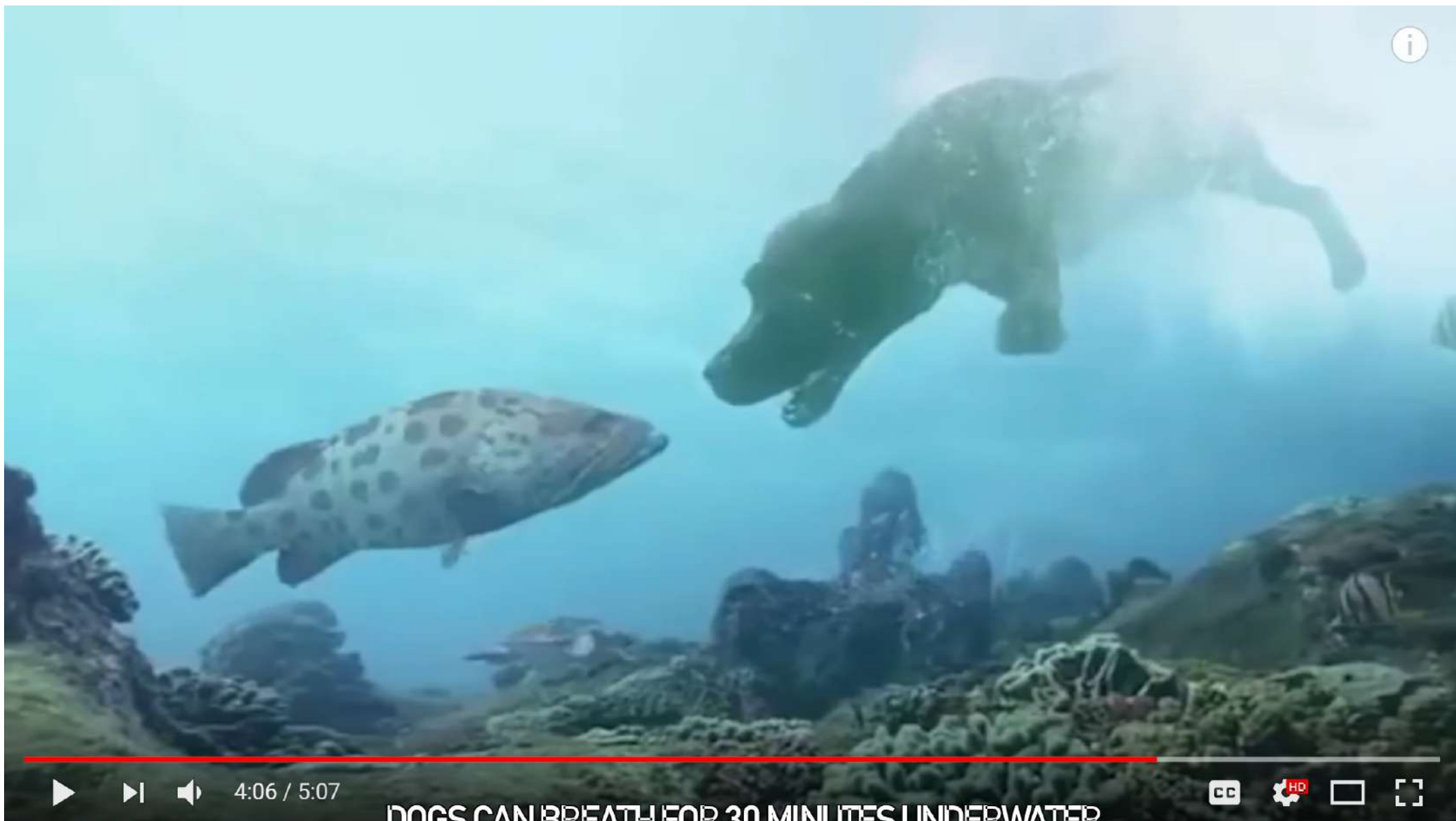
Special water chambers with higher pressure were created for the dogs. Davydov said the dogs are already capable of remaining underwater for half an hour at a depth of up to 500 metres by now. All the animals are fine and are coping well with being underwater.



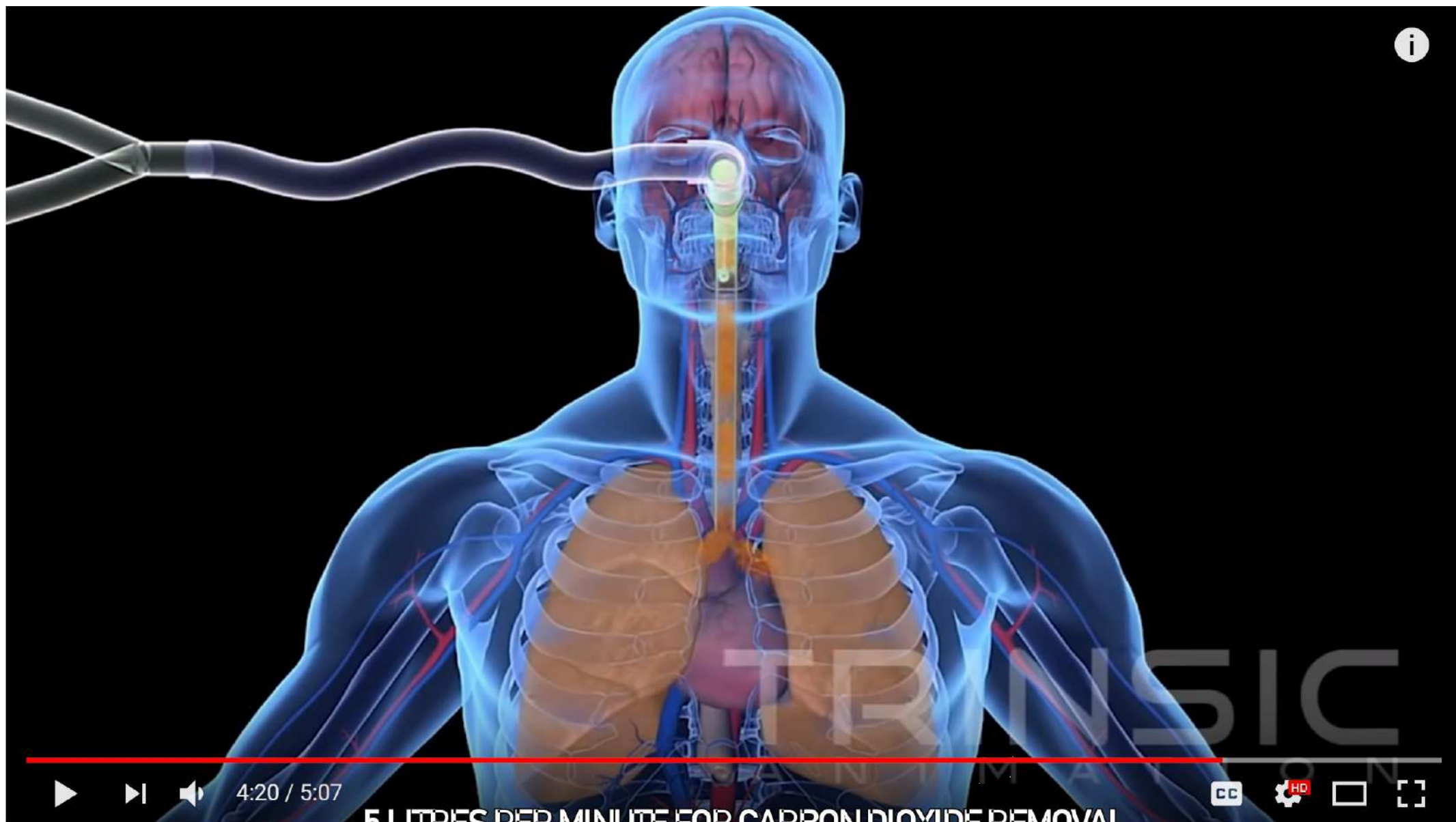
НОВОСТИ

РОССИЙСКИЕ УЧЁНЫЕ ПРОТЕСТИРОВАЛИ ТЕХНОЛОГИЮ
ЖИДКОСТНОГО ДЫХАНИЯ

▶ ⏮ 🔊 0:36 / 1:02 -3-5 НОВОСИБИРСК ☀️ -15-17 ЕКАТЕРИНБУРГ 🌤️ -8-10 МУРМАНСК 🌤️ -5-7 КАЗАНЬ 📶



DOGS CAN BREATHE FOR 30 MINUTES UNDERWATER



4:20 / 5:07



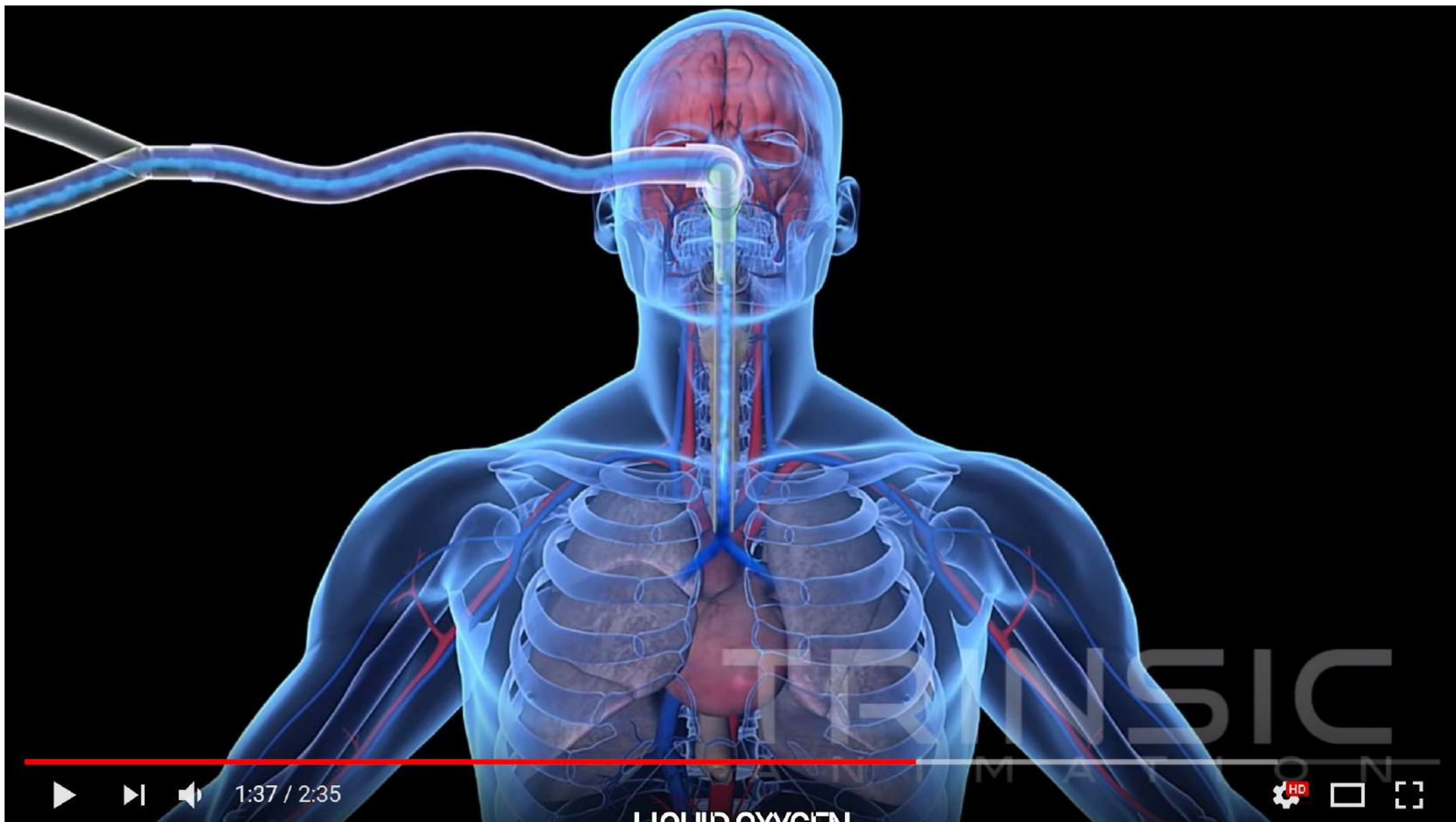
5 LITRES PER MINUTE FOR CARBON DIOXIDE REMOVAL



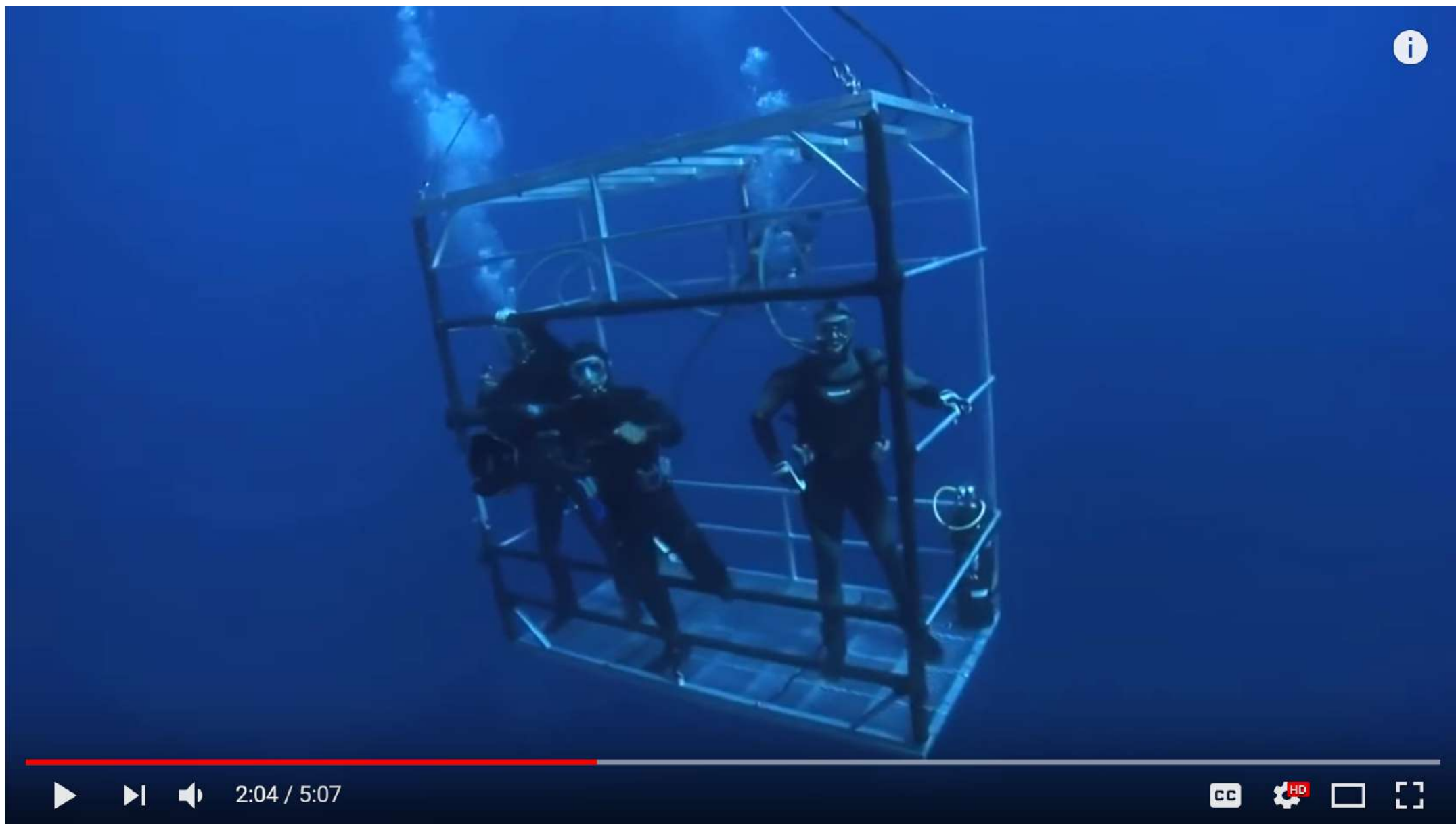
▶ ⏮ 🔊 0:09 / 0:42

CC ⚙️ HD 📺 🗉





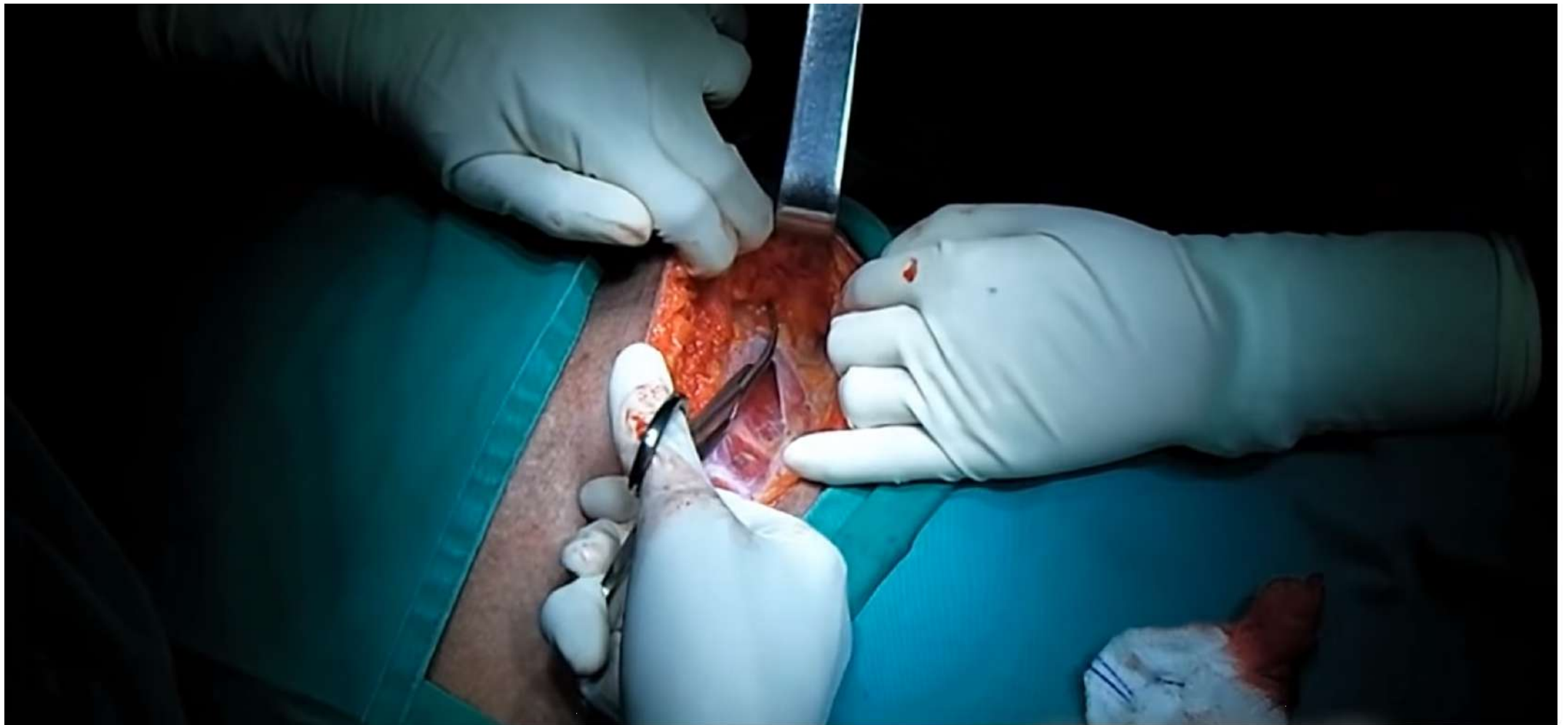
LIQUID OXYGEN





Abdomen Opened In Layers

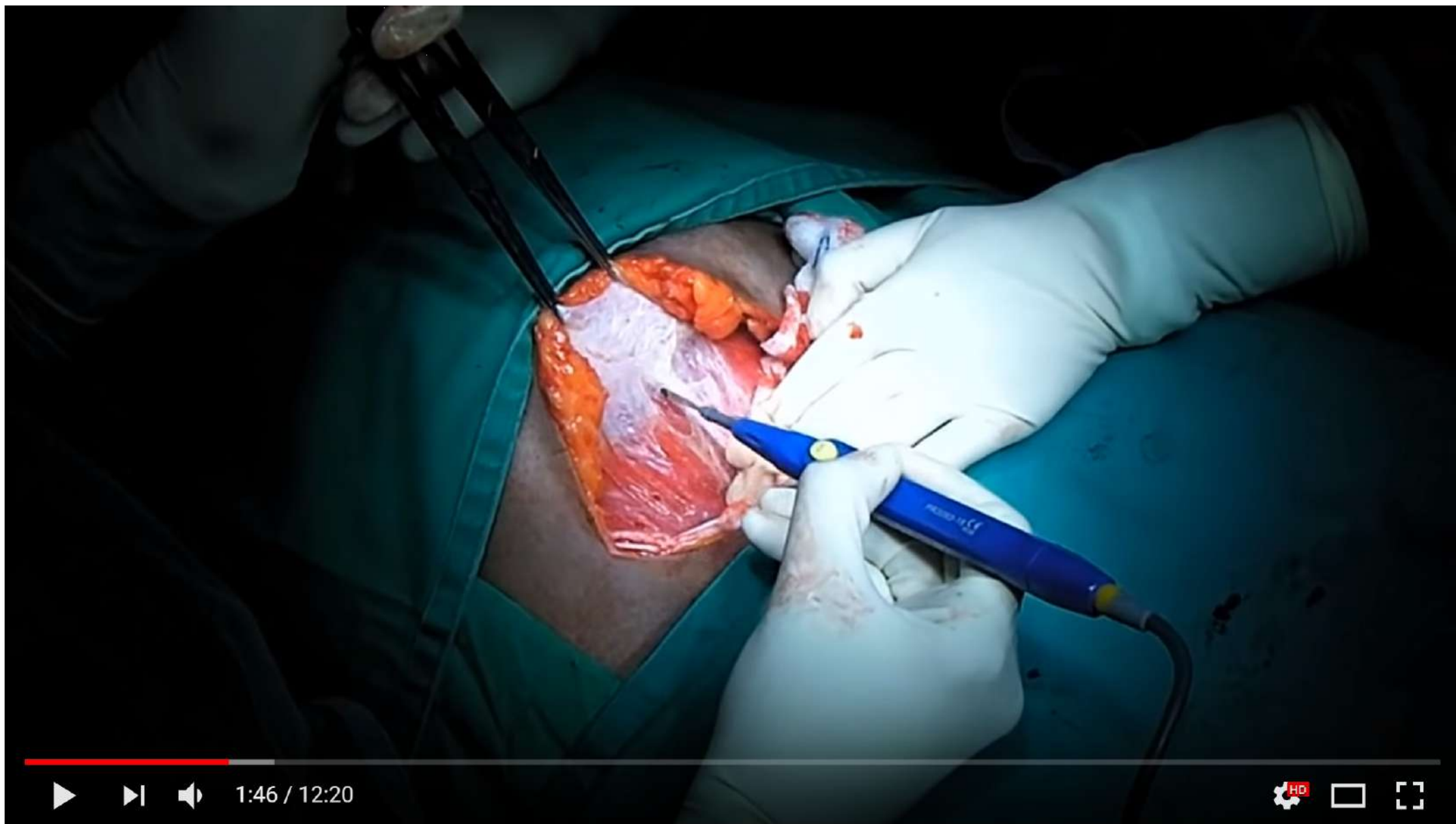
Caesarean Section

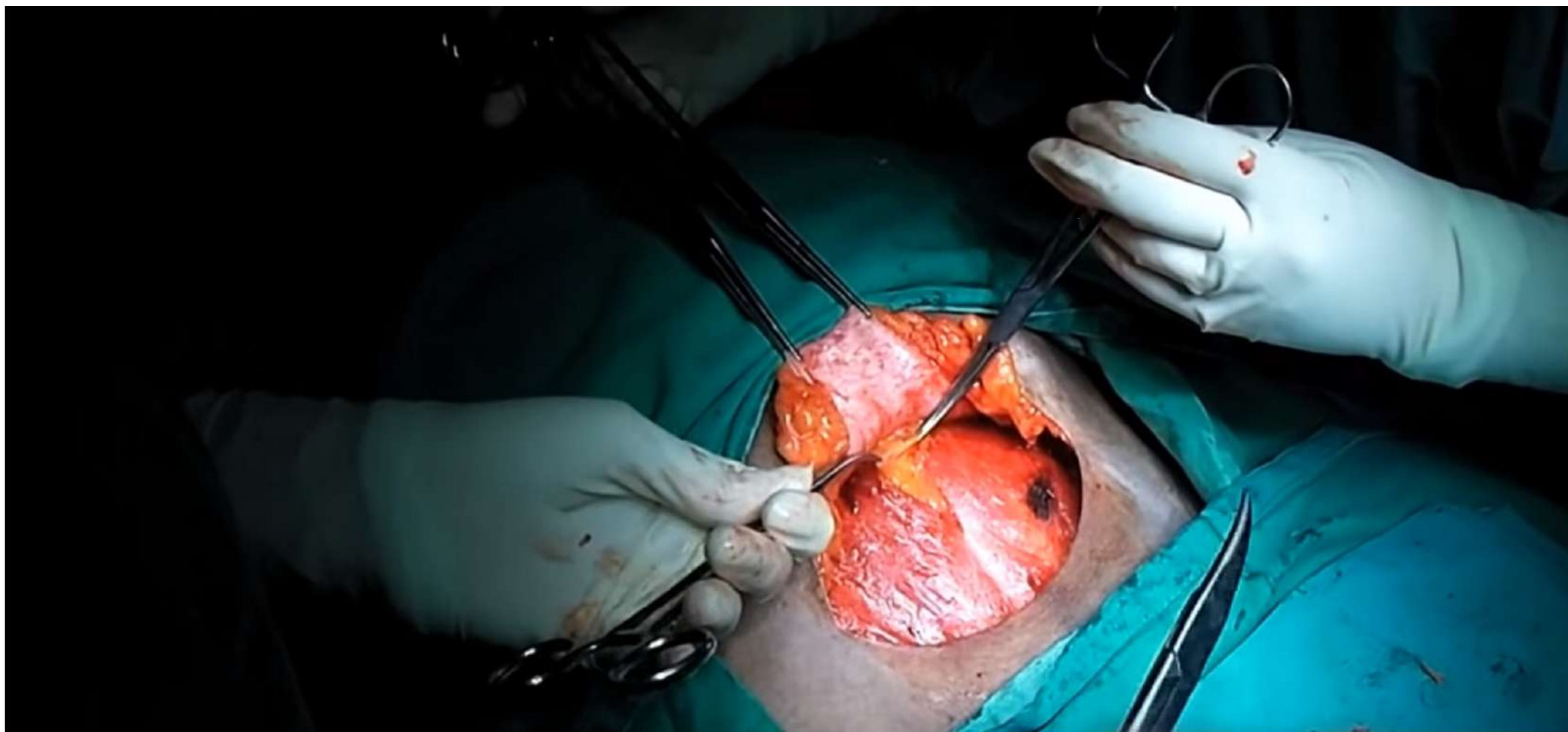


Rectus Sheath

▶ ▶| 🔊 1:17 / 12:20

⚙️ HD 📺 🖥️

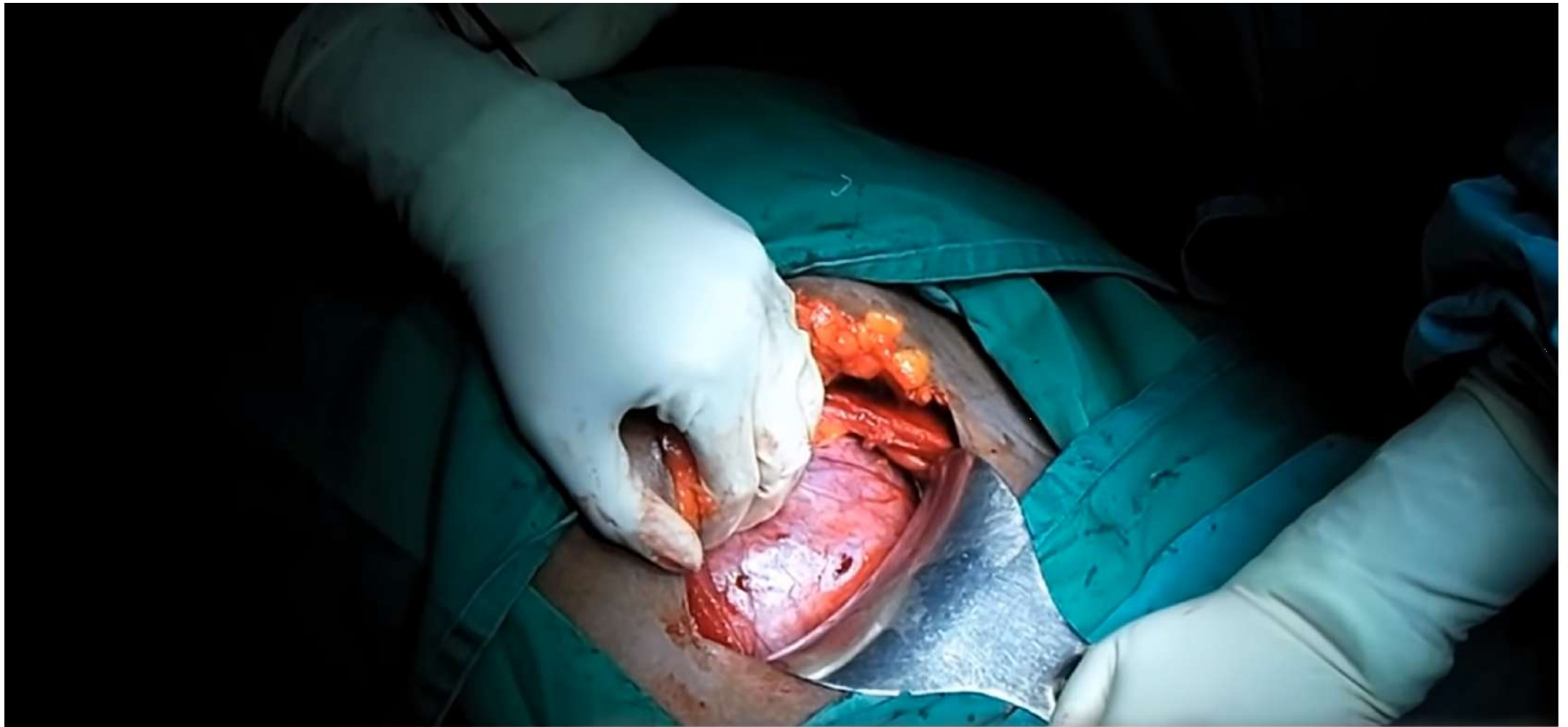




Peritoneal Layer

▶ ▶ 🔊 2:06 / 12:20

⚙️ HD 📺 🖱️



Transverse Incision Over Lower Segment

▶ ▶| 🔊 2:53 / 12:20

⚙️ HD 📺 📐



3:35 / 12:20









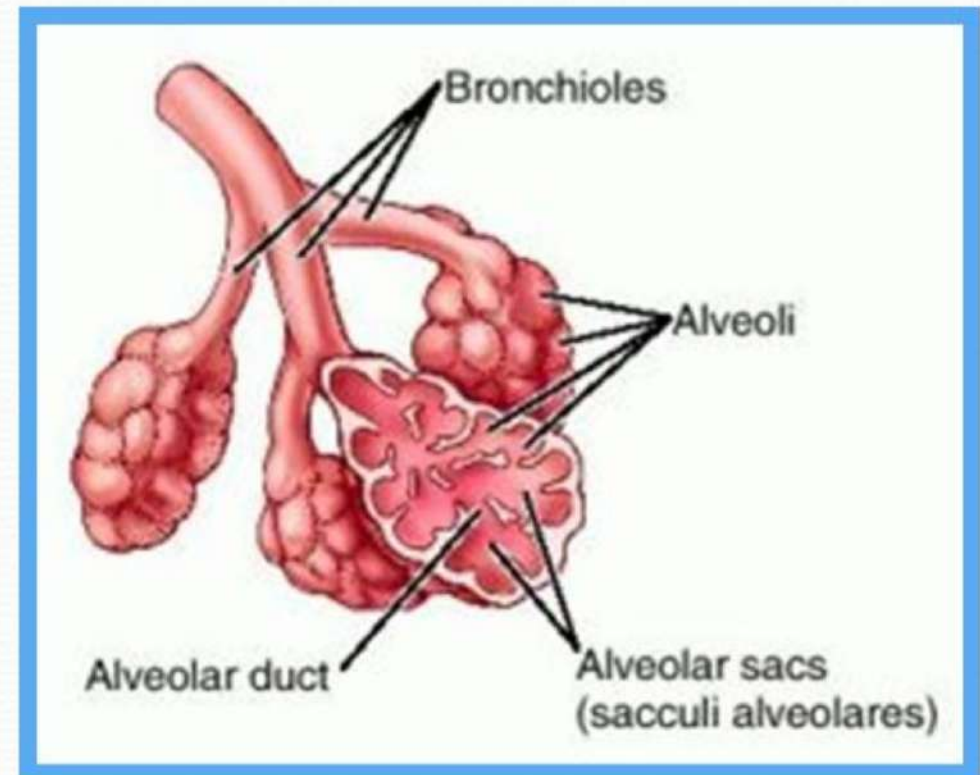




BABY STILL IN SAC, "unaware that it's even outside of the womb!"

Path of Oxygen into the Bloodstream

13. Oxygen enters the **alveolar ducts**
14. Passes into the **alveolar sacs**
15. Enters the **alveoli**
 - Once oxygen enters the alveoli, it diffuses through the alveolar walls and enters the blood through nearby capillaries
 - Oxygen reacts with hemoglobin in a red blood cell to form oxyhemoglobin
 - Carried in the form of oxyhemoglobin to cells of the body



Steps in cord blood banking

1



After birth the umbilical cord is clamped and cut

2



Cord blood is collected from umbilical cord vein by experts

3



Collected cord blood is safely packed in proprietary transfer kits and within 24 hours reach our labs

6



The end product is stored at -196 deg. C for 21 years

5

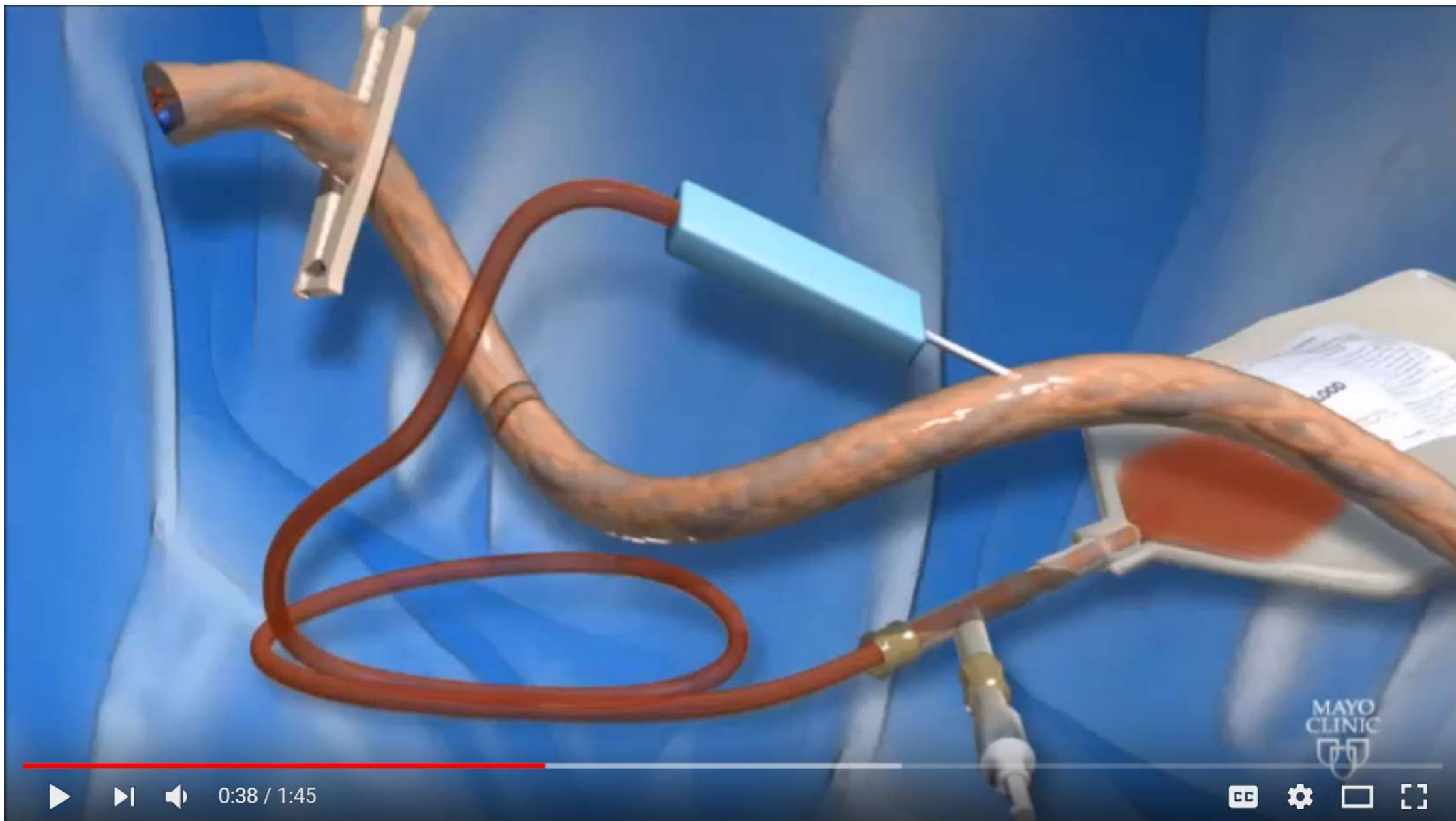


Cord blood is processed by patented technologies to yield maximum number of stem cells

4

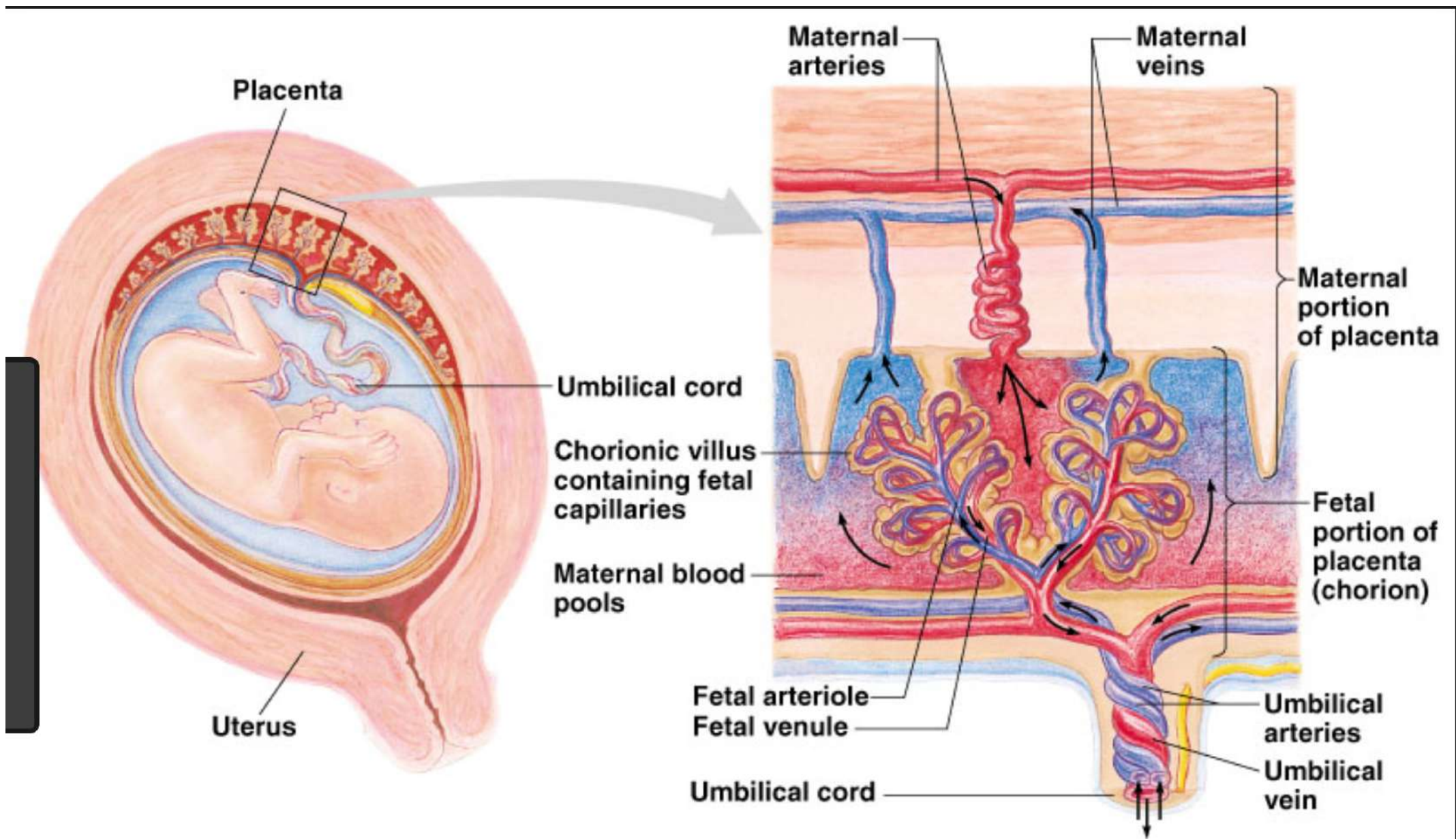


The sample quality is evaluated and all the required tests are conducted for maximum safety





Cord Blood Collection







TURRIGIANO PHOTOGRAPHY



NEW @ 9

NEW BIRTHING TREND

PARENT KEEP PLACENTA ATTACHED TO BABY AFTER BIRTH

1 / 2:02

WAIT 20 MINUTES UNTIL PLACENTA STOPS PULSATING GIVES BACK ABOUT 1 LITRE OF BLOOD TO BABY AND NUTRIENTS

**Sperm about
to enter**





**Two sperms
contacting**

A scanning electron micrograph showing a sperm cell, which is a long, thin, and slightly curved structure, penetrating an egg cell. The egg cell is a large, textured, and bumpy structure. The background is a dark, reddish-brown color.

The winning sperm



1:04 / 3:16



Winning Moment





5-6 days old



A photograph of a human embryo, likely at the gastrula stage, showing the developing neural plate. The neural plate is stained blue, contrasting with the yellowish-orange surrounding tissues. The embryo is positioned against a dark, blurred background.

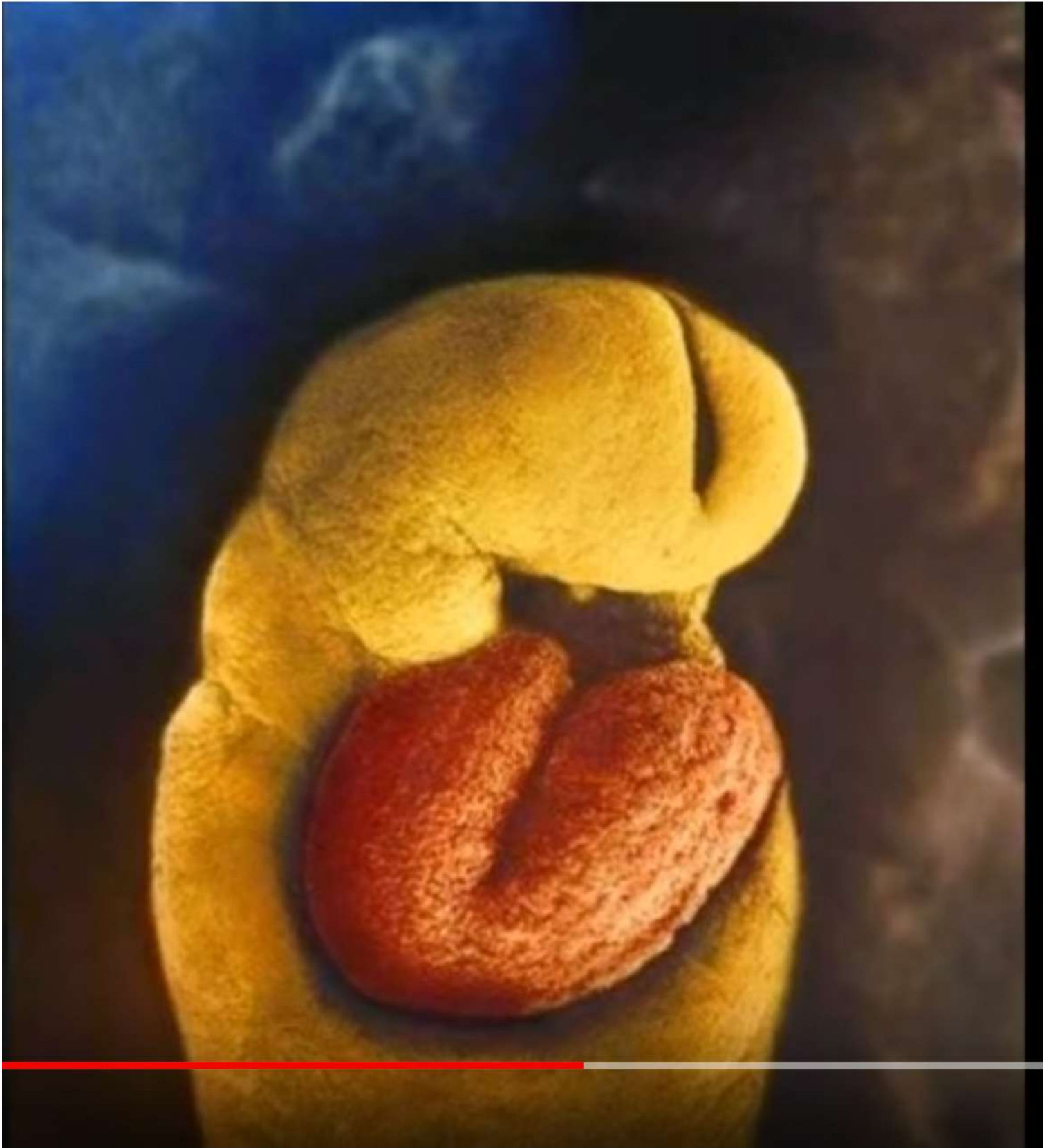
**Brain starts to develop
in the human embryo**

**24 days.one-month-old embryo
has no skeleton,There is only
a heart that starts beating on
the 18th day**



1:43 / 3:16





4 Weeks



1:51 / 3:16



5 weeks



1:57 / 3:16





**40 days. Embryonic cells
form the placenta.**









**18 weeks. fetus
perceive sounds from
the outside world**





19 Weeks



20 weeks.

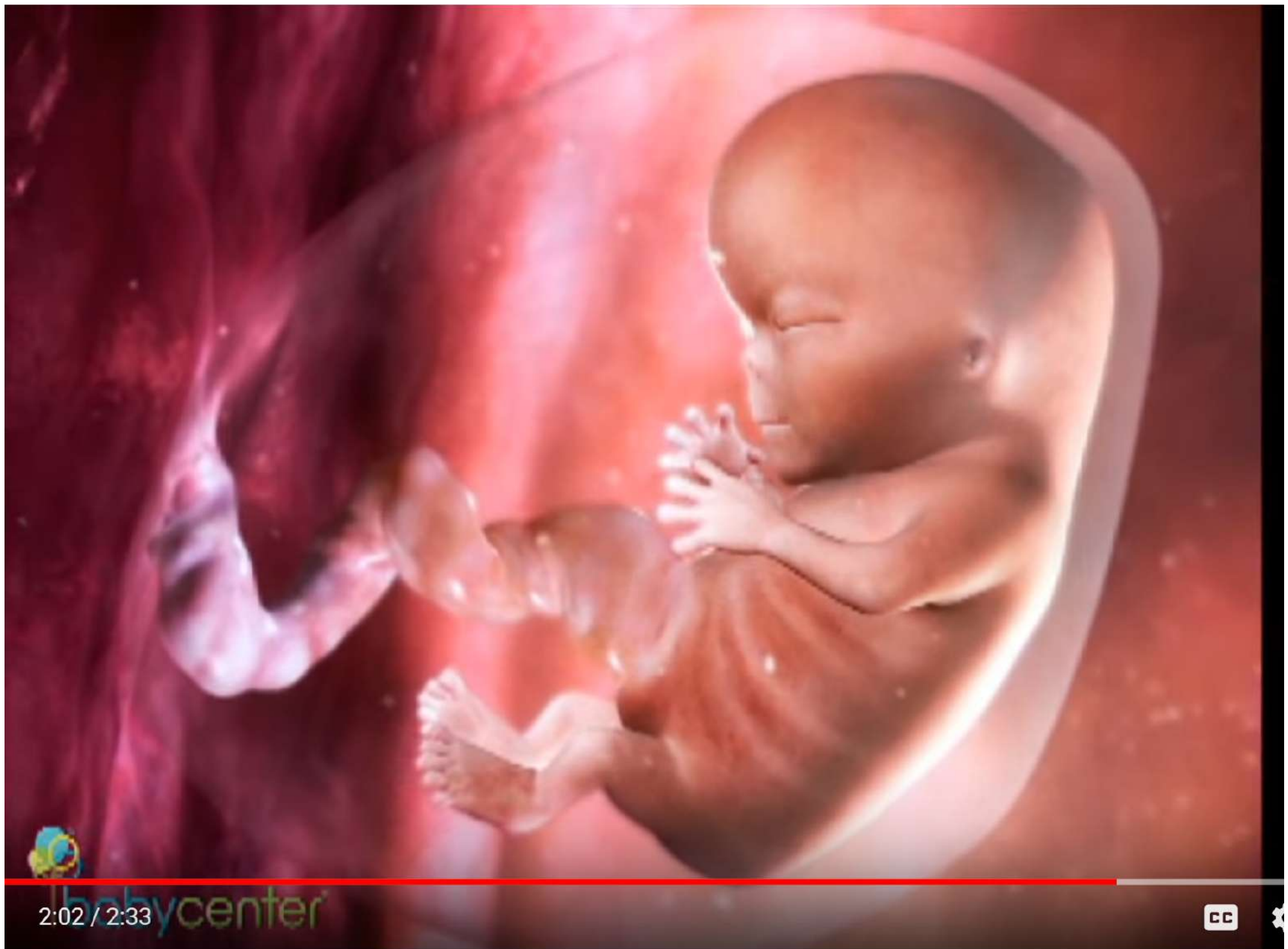




6 months.

3:04 / 3:16





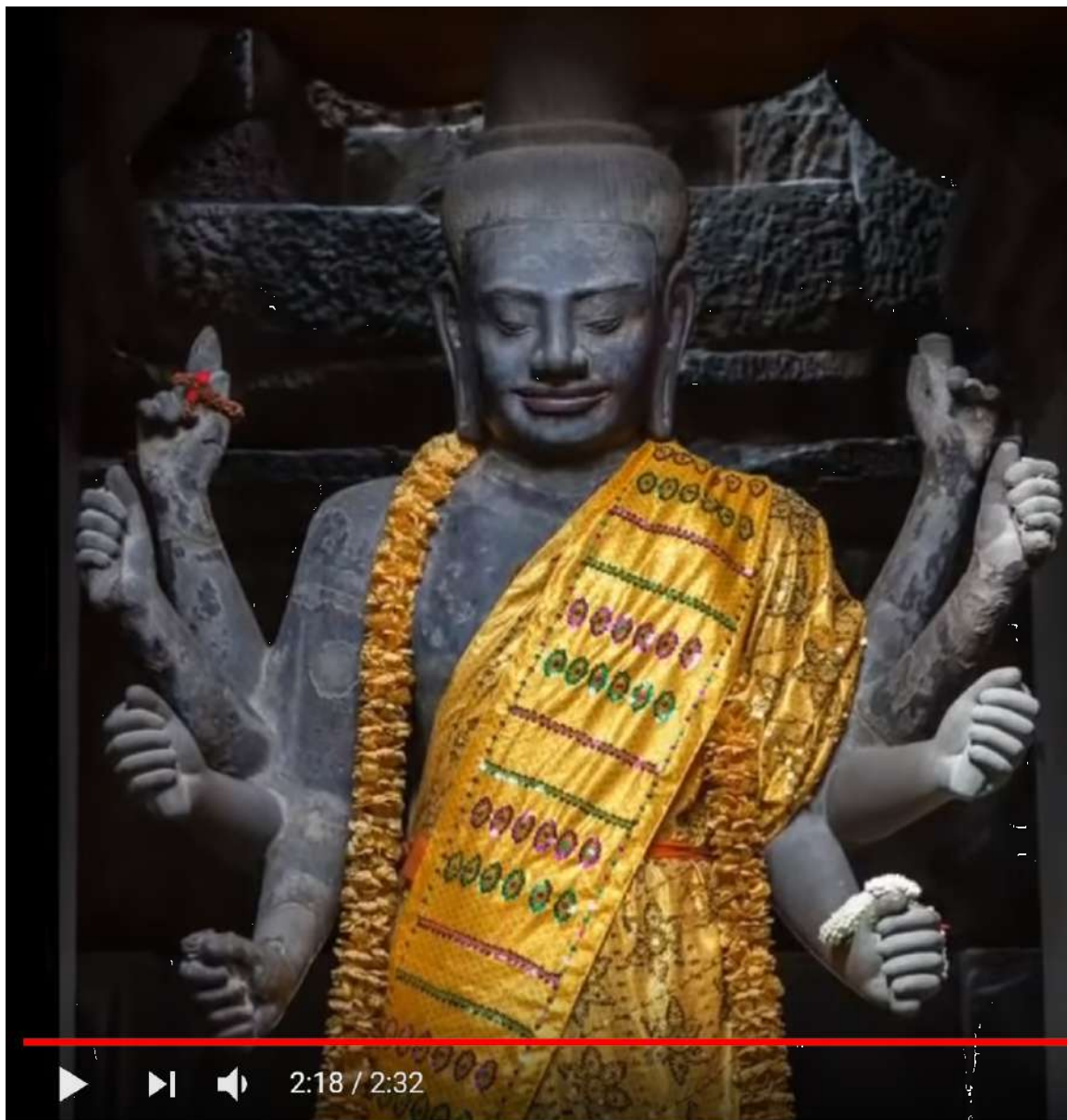
2:02 / 2:33 babycenter







Vestigial Tail



2:18 / 2:32

CC

HD

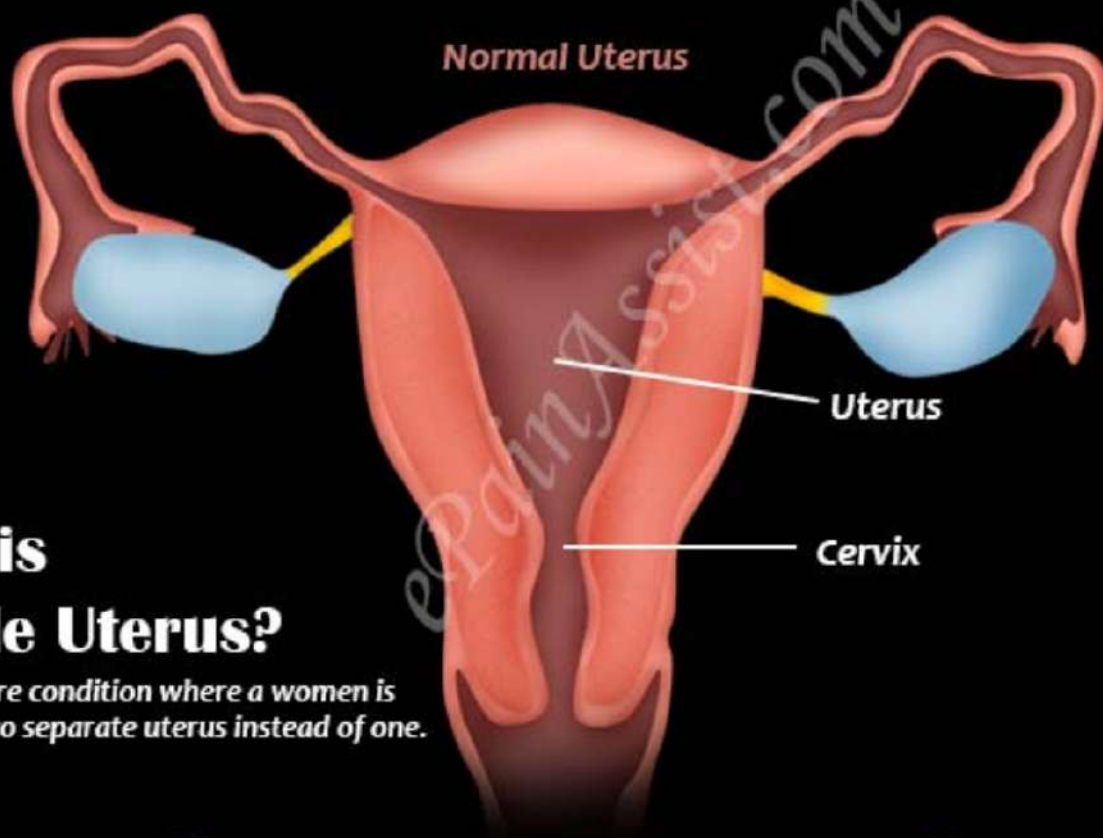
□

□

PATRYN

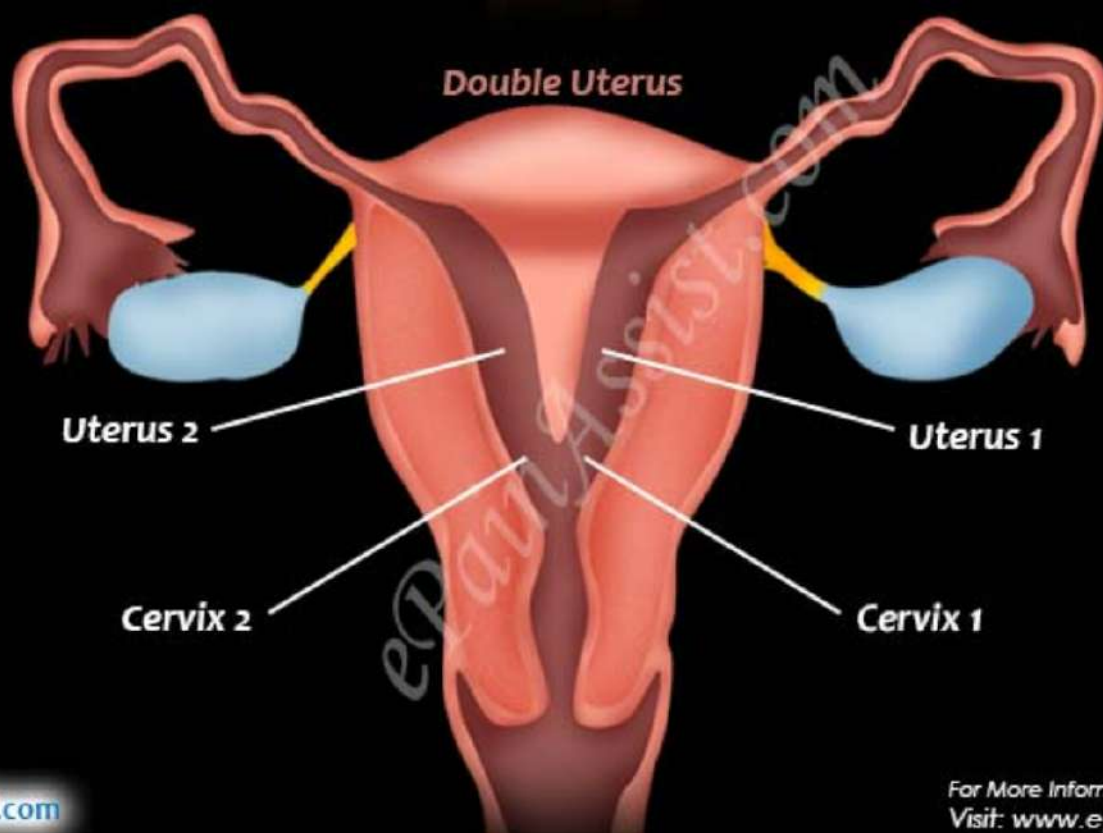


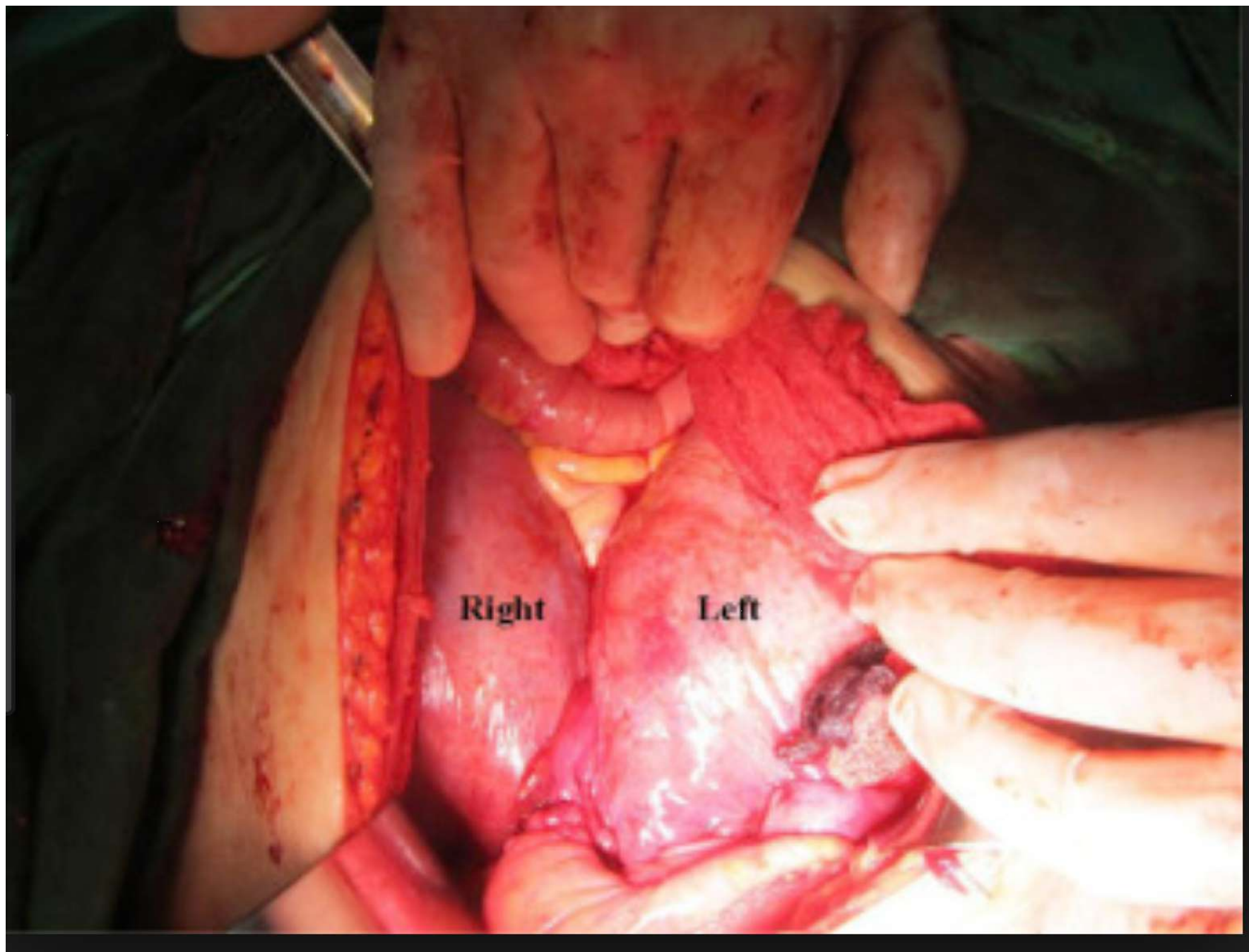
**ND ISLAAM WAS REMOVED FROM MANAR'S
HEAD AND DIED SHORTLY AFTER.**

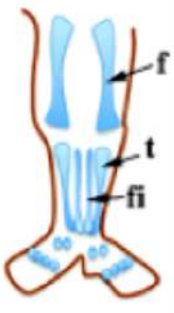








What is Double Uterus?

It is a very rare condition where a woman is born with two separate uterus instead of one.





Type I	Type II	Type III	Type IV	Type V	Type VI	Type VII
						
Symplus dipus or symmelia			Symplus monopus or uromelia		Symplus apus or sirenomelia	

665 x 259 - Images may be subject to copyright. Learn More

Sirenomelia Assoc

OMICS International

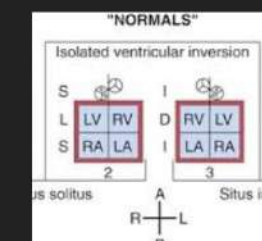
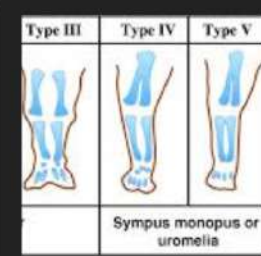
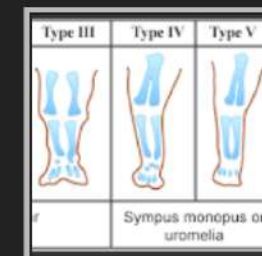
Figure ...

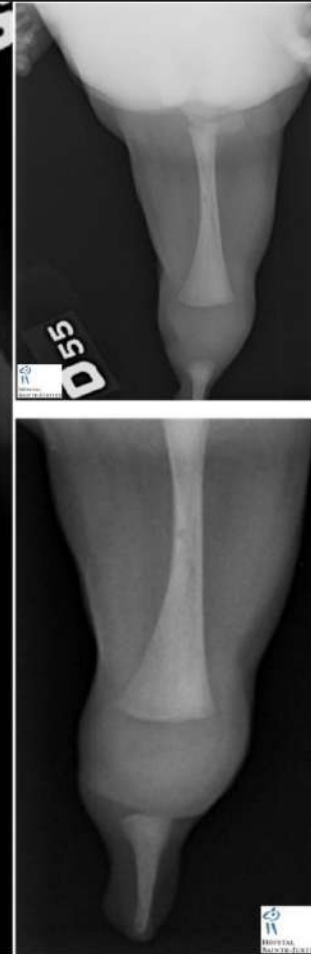
Visit

Add to

Collect

Related images:





sirenomelias - Hum

Humpath.com

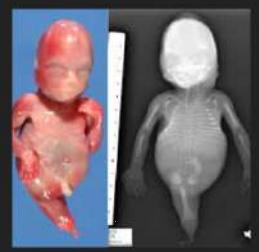
... Sirenomelia apus and ectrodac

[Visit](#)

[Add to](#)

[Collecti](#)

Related images:



1503 x 995 - Images may be subject to copyright. [Learn More](#)



Cyclopia (also **cyclocephaly** or **synophthalmia**) is a rare form of **holoprosencephaly** and is a **congenital disorder** (birth defect) characterized by the failure of the embryonic **prosencephalon** to properly divide the **orbits** of the eye into two cavities. Its incidence is 1 in 16,000 in born animals and 1 in 200 in miscarried fetuses.^{[1][2]}

The US National Library of Medicine National Institutes of Health has published an article regarding Cyclopia.^[3]

Contents [hide]

- 1 [Presentation](#)
- 2 [Causes](#)
- 3 [Notable cases](#)
- 4 [See also](#)
- 5 [References](#)
- 6 [External links](#)

Presentation [edit]

Typically, the nose is either missing or replaced with a non-functional nose. This deformity (called **proboscis**) usually forms above the center eye or on the back, and is characteristic of a form of cyclopia called **rhinencephaly** or **rhinocephaly**.^[4] Most such embryos are either naturally **aborted** or are **stillborn** upon **delivery**.

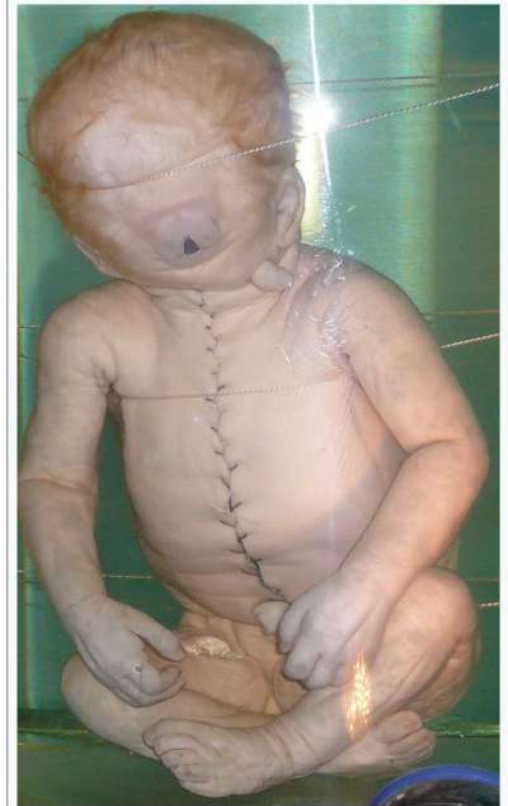
Although cyclopia is rare, several cyclopic human babies are preserved in medical museums (e.g. The **Vrolik Museum**, Amsterdam, Trivandrum Medical College).^[5]

Some extreme cases of cyclopia have been documented in farm animals (horses, sheep, pigs, and sometimes chickens). In such cases, the nose and mouth fail to form, or the nose grows from the roof of the mouth obstructing airflow, resulting in suffocation shortly after birth.^[6]

Causes [edit]

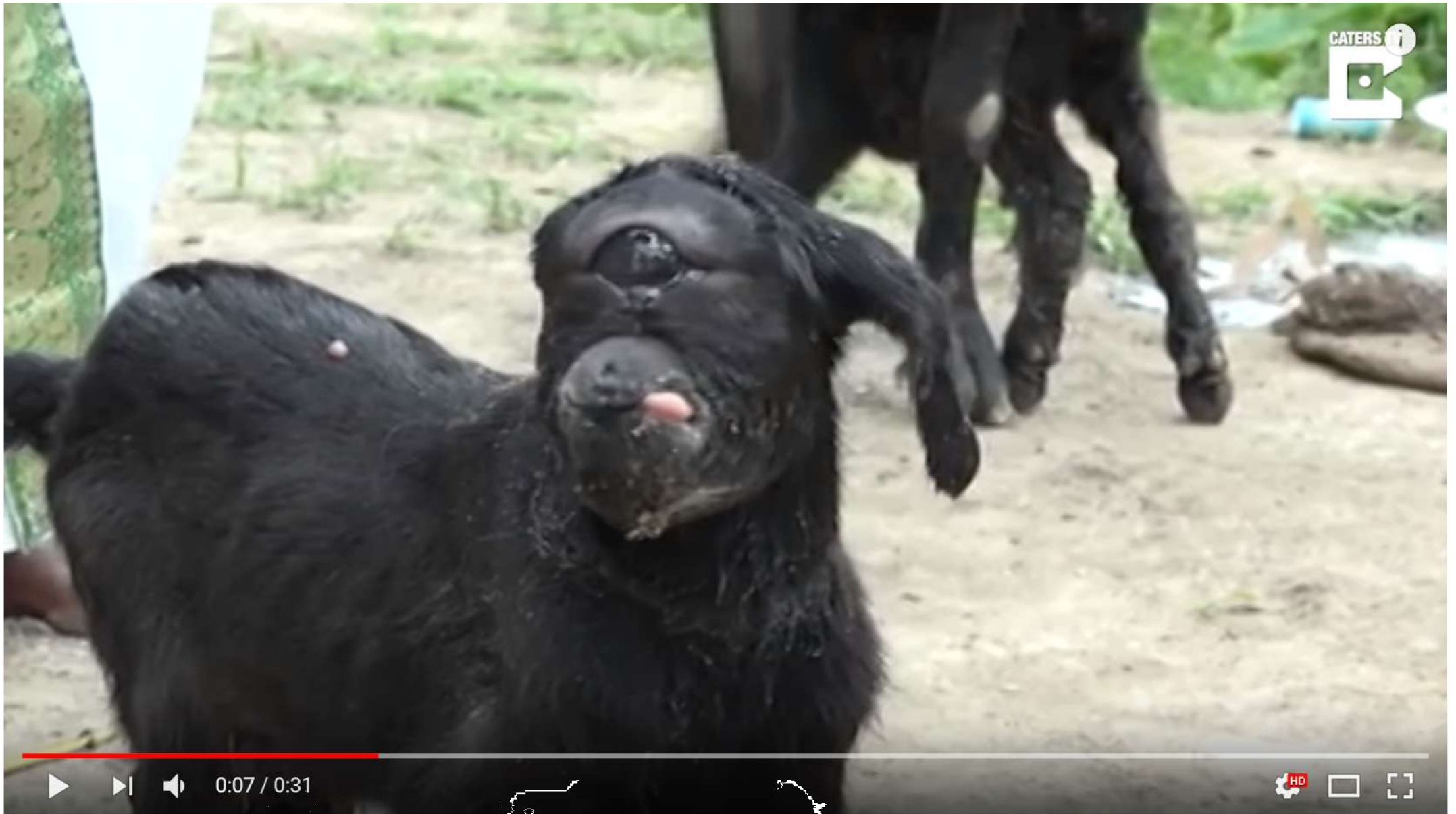
Genetic defects or toxins can misdirect the embryonic forebrain-dividing process.^[7] One highly **teratogenic** alkaloid toxin that can cause cyclopia is

Cyclopia



Specialty

Medical genetics






Öndör Gongor | The

amazing-everything.wikia.com

Öndör Gongor (b. 1880/ 85 – d. Mongolia. He had gigantism.

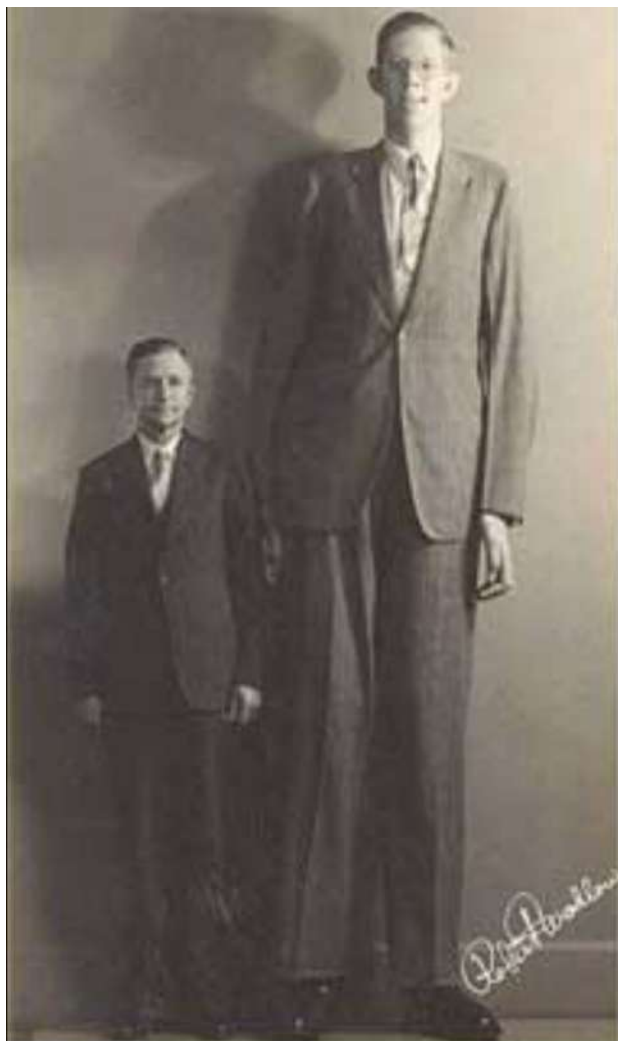
 Visit

 Add to

 Collect

Related images:





400 × 320 - Images may be subject to copyright. [Learn More](#)

ourworldiscrazy.blogspot.com

Robert Pershing Wadlow hi is the
history. He was born at Alton, Illinois
and whe...

 Visit

 Add to

 Collec

Related images:





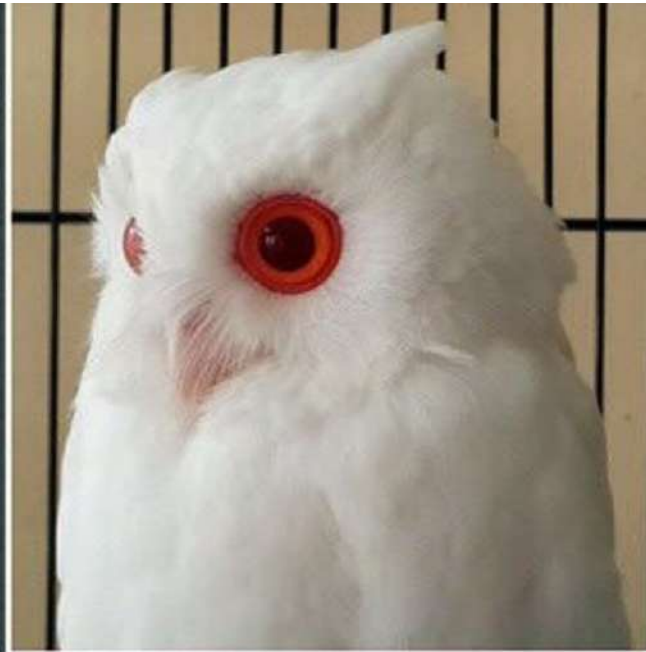
4

CHENG



3:25 / 5:04





White Wolf :

White Wolf Pack

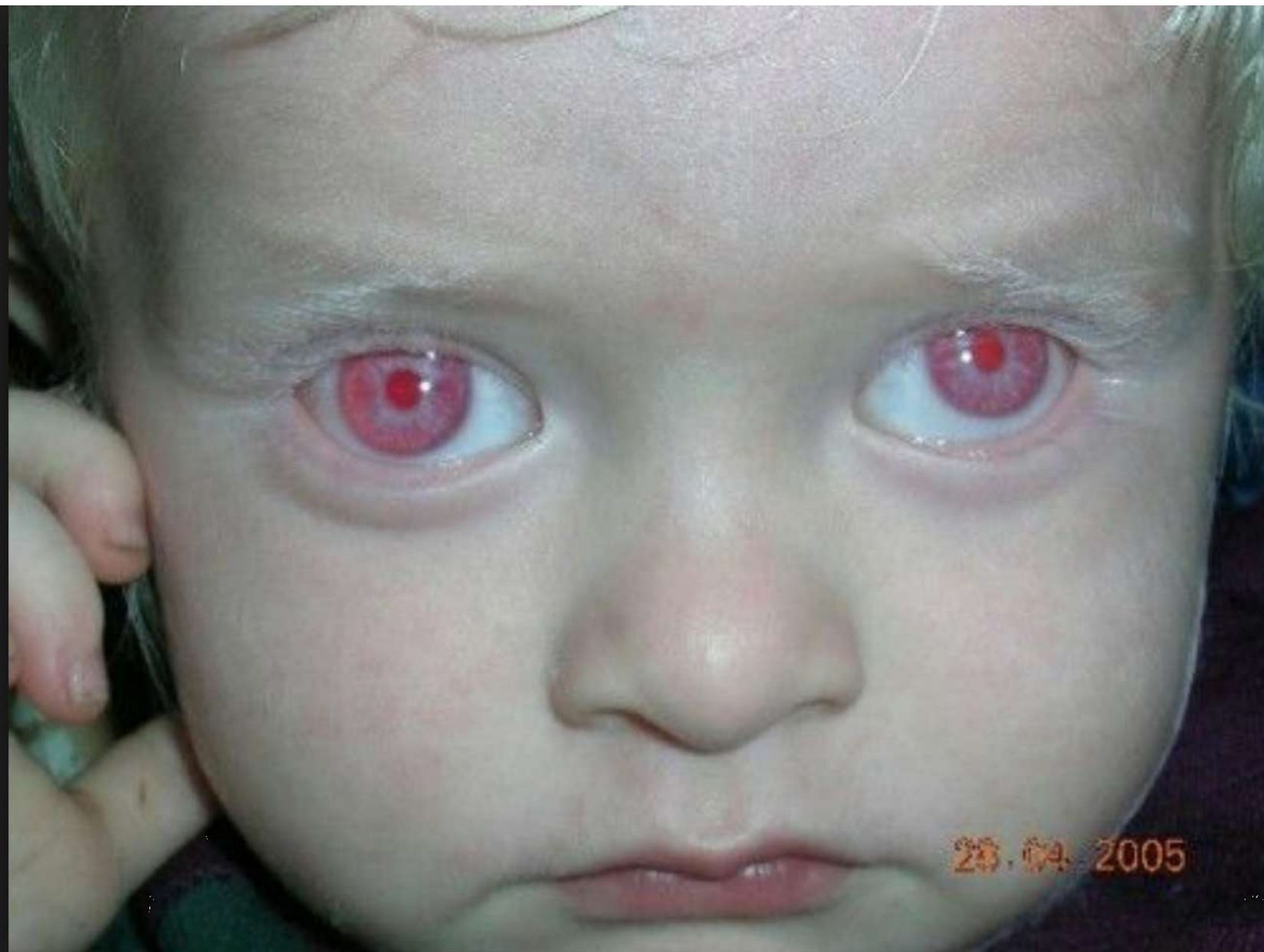
Because of the lack of color, reflecting

 Visit

 Add

Related images:





Albino chi

Pinterest

Albino child with

 Visit



Related images:



500 × 375 - Images may be subject to copyright. [Learn More](#)

[Get help](#) [Send feedback](#)



Black Mother gives Birth to T


Naybesa.com - WordPress.com

Black Mother gives Birth to THREE "White" Kids

 Visit

 Add to

Collections

 Share

Related images:





Daily Mail
NEWSPAPER OF THE YEAR

Our incredible family



Black couple with three albino children talk of the pride and pitfalls

By BARBARA DAVEN
NIGERY's youngest President said that his country was a 'land of opportunity' for those who work hard. But for a young couple in Nigeria, the road to a better life has been a long and difficult one. They are the parents of three albino children, a condition that has made them the subject of a Daily Mail article. The couple, who are both Black, have three albino children. The article discusses the challenges they face, including discrimination and the need for medical care. The couple is proud of their children and the love they share, but they also acknowledge the difficulties of their situation.

GENE CLASH THAT AFFECTS ONE IN 20,000 BABIES



1:54 / 7:28



SUBSCRIBE





Giant of Japan military parade



0:35 / 2:49





1:38 / 2:49









Indonesian "Tree M

Getty Images

Indonesian man Dede Koswara (home village

 Visit

 Add to

 Collec

Related images:











1000 × 300 - Images may be subject to copyright. [Learn More](#)

A top British intelligence expert had claimed that the US military will have more robot soldiers on the battlefield than real ones by 2025, suggesting that deadly combat robots are rapidly...

[Visit](#)

[Add to](#)

[Collections](#)

[Share](#)

Related images:



Human Universal Load Carrier (HULC)

1/3

LOCKHEED MARTIN



The Human Universal Load Carrier is a hydraulic-powered exoskeleton suit intended to support soldiers on the battlefield and allow them to transport heavy loads for extended periods of time without the usual exhaustion that would come

Electromagnetic Rail Gun

1/3

OFFICE OF NAVAL RESEARCH



This monster cannon is actually the culmination of over a decade's worth of development and testing. An electromagnetic rail gun capable of firing projectiles at over 4,500mph and smashing through concrete structures 100 miles away.

Active Denial System (ADS)

2ND LT. JOY E. CRABAUGH/UNITED STATES MARINE CORPS



Another non-lethal energy weapon designed to help with crowd and riot control. Also known as the "heat ray" this system works by heating the target's surface on the same principles as a microwave oven.

Hypersonic Missiles

1/3

US AIR FORCE, VIA WIKIMEDIA COMMONS



Since the 1990s, the American Air Force Research Laboratory has been involved in the design, development and testing of a hypersonic propulsion system with a view to creating a missile capable of Mach 6 (4,000mph). The result is the Boeing X-51 Waverider, an unmanned scramjet aircraft designed to be launched from a B-52 bomber or F-35 fighter.





Mosquito XET Turbine Helicopter Walkaround and Flight





Flyboard Air by ZR Naples Florida



Fly with the Jetman | Yves Rossy





GRAVITY INDUSTRIES 2018 HIGHLIGHTS



GRAVITY.CO



1:54 / 3:07





Wingsuit Proximity Flying BASE Jumping Compilation





[#Unlearn](#)
Homemade Hoverbike





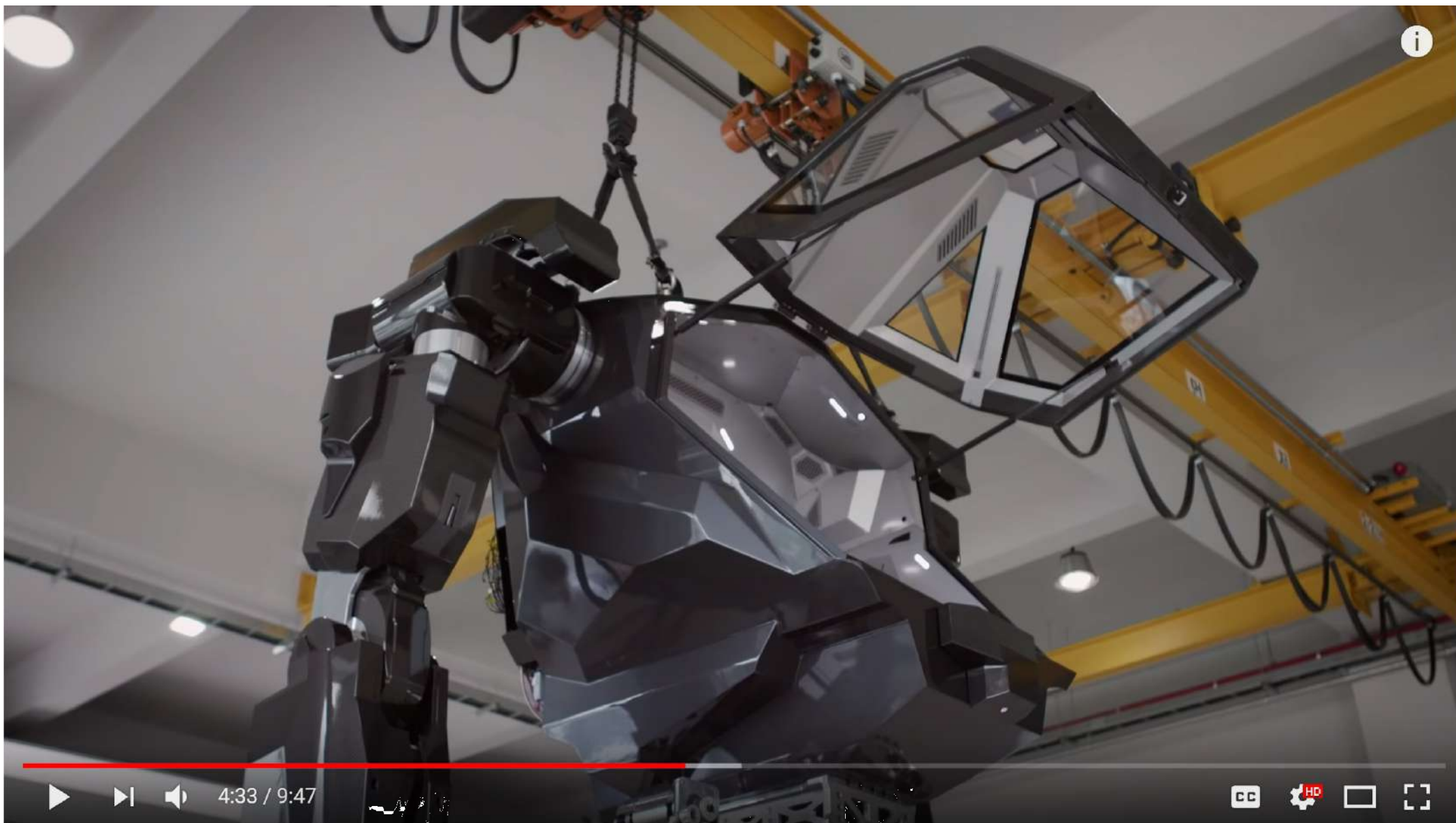


Xiang Zhang - UC Berkeley Mechanical Engineering





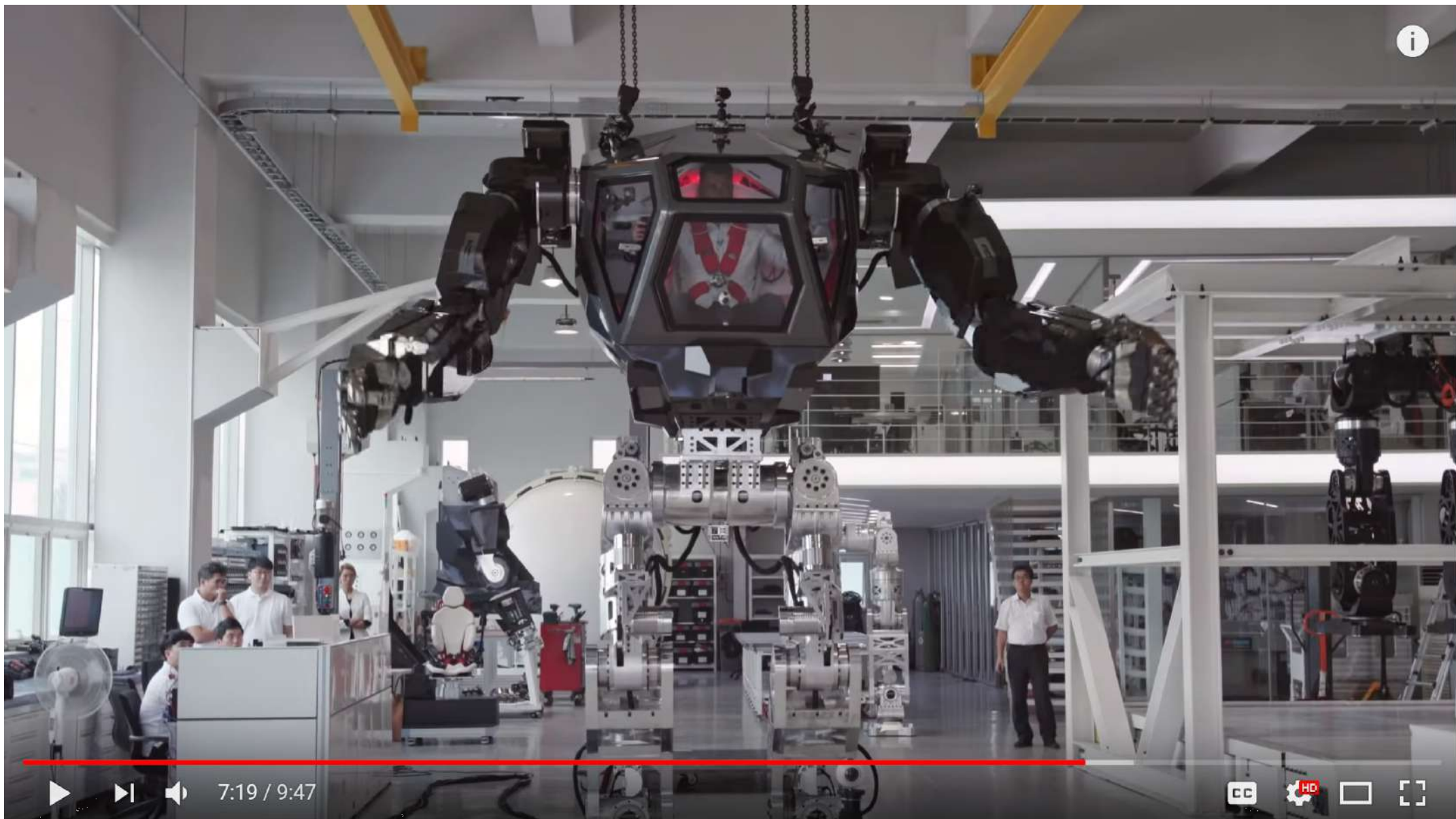
PLASTINATED HUMAN BEINGS



Driving An Actual Bipedal Mech Suit | Translogic 221









The Cosmos News

RUSSIAN MUTANT FROG TRANSPARENT





RAINFORST TRANSPARENT FROG

Laser Plasma Holograph

Subscribe TOP 10 INFORMATION

0:31 / 13:37



10 Most Advanced HologramS that are INSANE!



1:04 / 13:37





▶ ▶| 🔊 1:27 / 13:37



FANTYPE HOLOGRAM





Portable Holographic Device

Subscribe TOP 10 INFORMATION







Holovect

VOLUMETRIC DISPLAY

YOU CAN FEEL / TOUCH / INTERACT WITH FAIRY LIGHT HOLOGRAPHICS



"LV" <-> "Star"



Tangible Interactions with Aerial Graphics

2:34 / 13:37





This video contains
an Audio Explanation.

Tangible Aerial Image Interaction

Fairy Lights in Femtoseconds:

Aerial and Volumetric Graphics

Rendered by Focused Femtosecond Laser

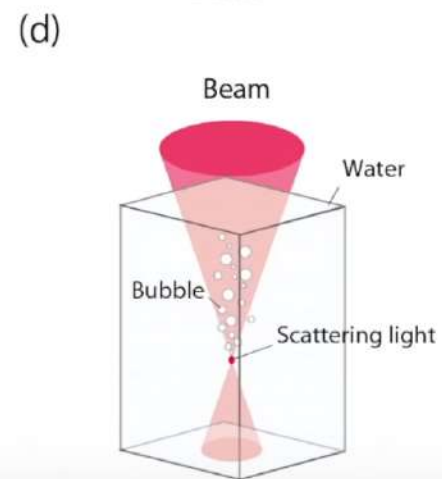
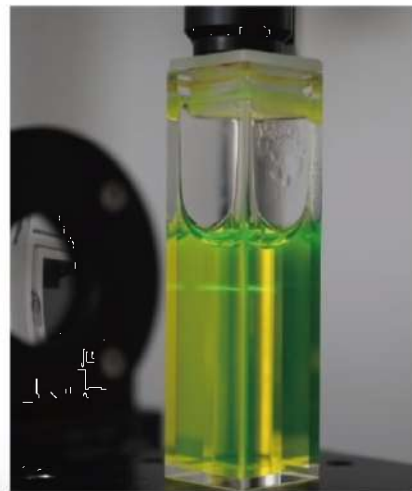
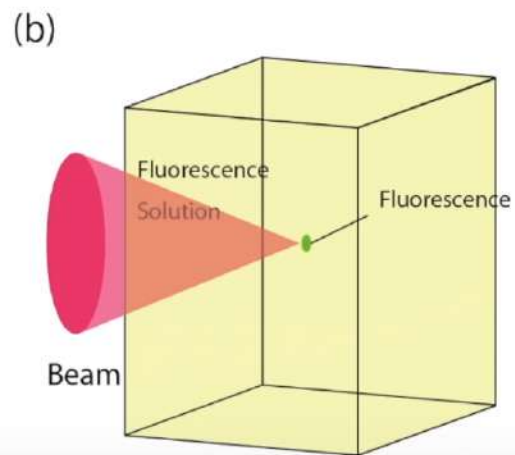
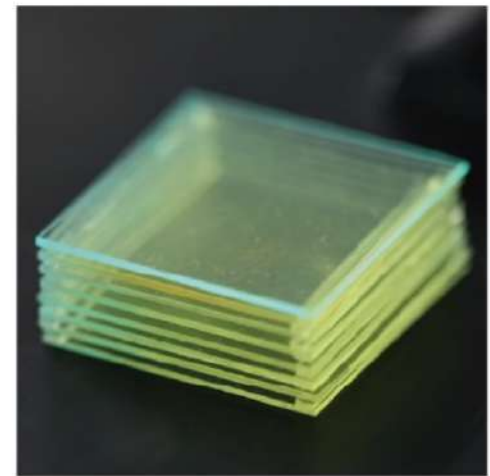
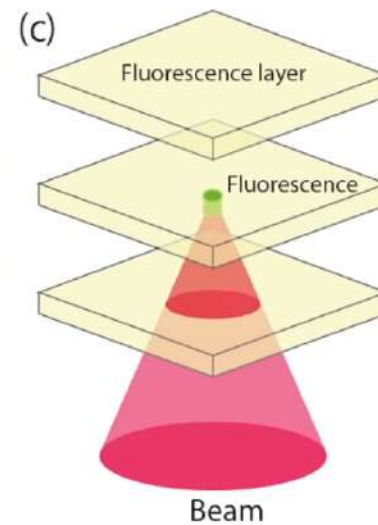
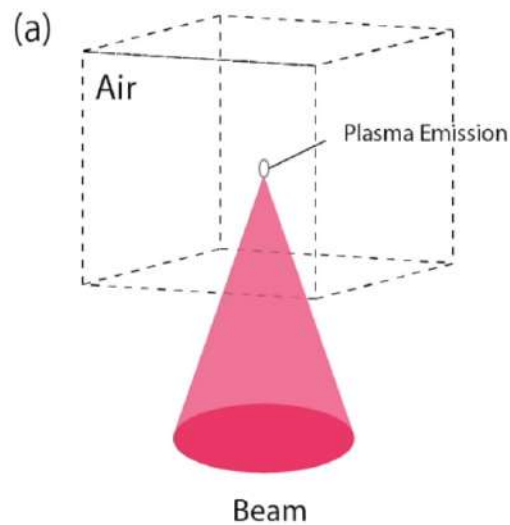
Combined with Computational Holographic Fields

Yoichi Ochiai, Kota Kumagai, Takayuki Hoshi,

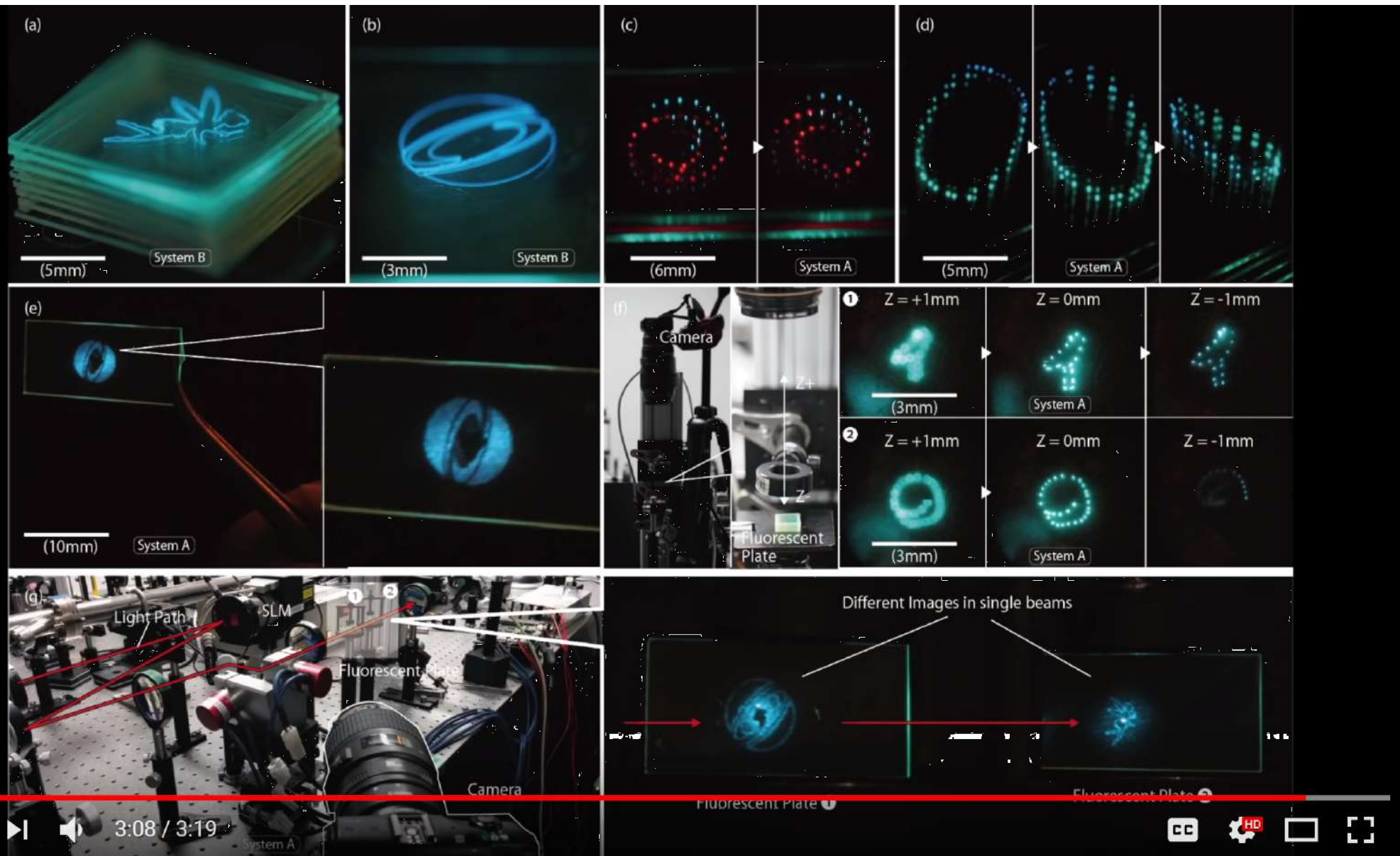
Jun Rokimoto, Satoshi Hasegawa, Yoshio Hayasaki

0:07 / 8:19





▶ We investigated medium for femtosecond laser based volumetric display



3:08 / 3:19

System A



SUBSCRIBE



LEXUS DESIGN AMAZING

Physical Hologram

Subscribe TOP 10 INFORMATION



3:33 / 13:37



LIKE



LEXUS DESIGN AMAZING



▶ ⏮ 🔊 3:35 / 13:37



HD



INFORM DYNAMIC SHAPE DISPLAY / DANIEL LEITHINGER / SEAN FOLLMER / OVER 1000 MOTORS COMPUTER CONTROLLED

TOP 8
INFORMATION



3:51 / 13:37

CC HD





4:12 / 13:37



REMEMBERS
YOUR PREFERENCE

Env
Emb
Insp
Hiroshi Ishii
Tangible Media
MIT Media Lab



▶ ⏸ 🔊 4:24 / 13:37

CC ⚙️ HD 📺 🖥️

Material Fused Holograms

Subscribe TOP 10 INFORMATION



▶ ▶| 🔊 4:58 / 13:37





SMOKE HOLOGRAM

Underwater Hologram

▶ ▶| 🔊 5:35 / 13:37

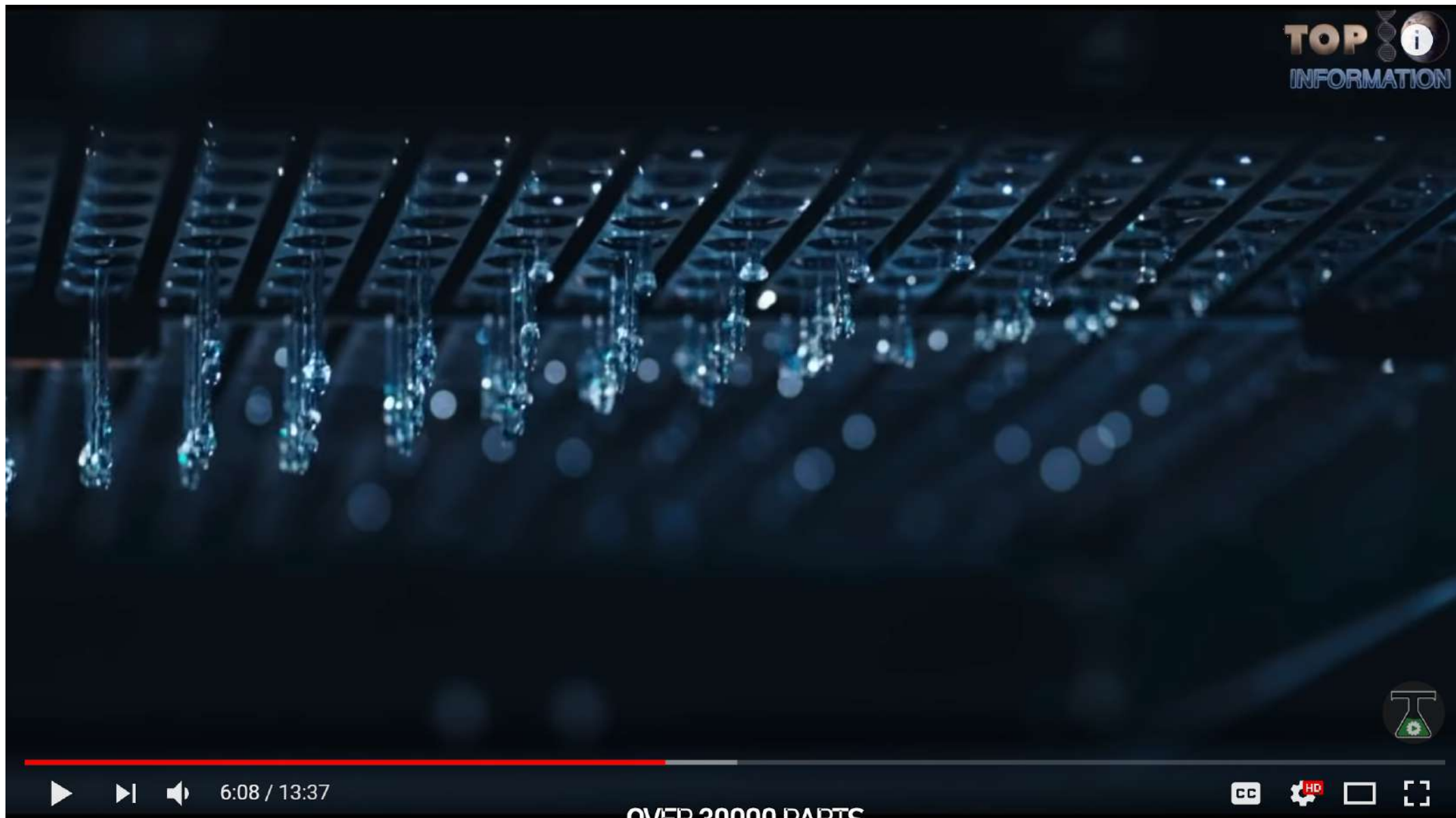
CC ⚙️ HD 📺 🗉

Water-Holograph



5:59 / 13:37





6:08 / 13:37



OVER 30000 PARTS

4D HOLOGRAM



www.kino-fino.com

c|net



7:40 / 13:37





No-Logram







▶ ▶| 🔊 8:30 / 13:37

CC ⚙️ HD 📺

Table Holograms

Subscribe TOP 10 INFORMATION





Euclidean Hologram Table



8:45 / 13:37



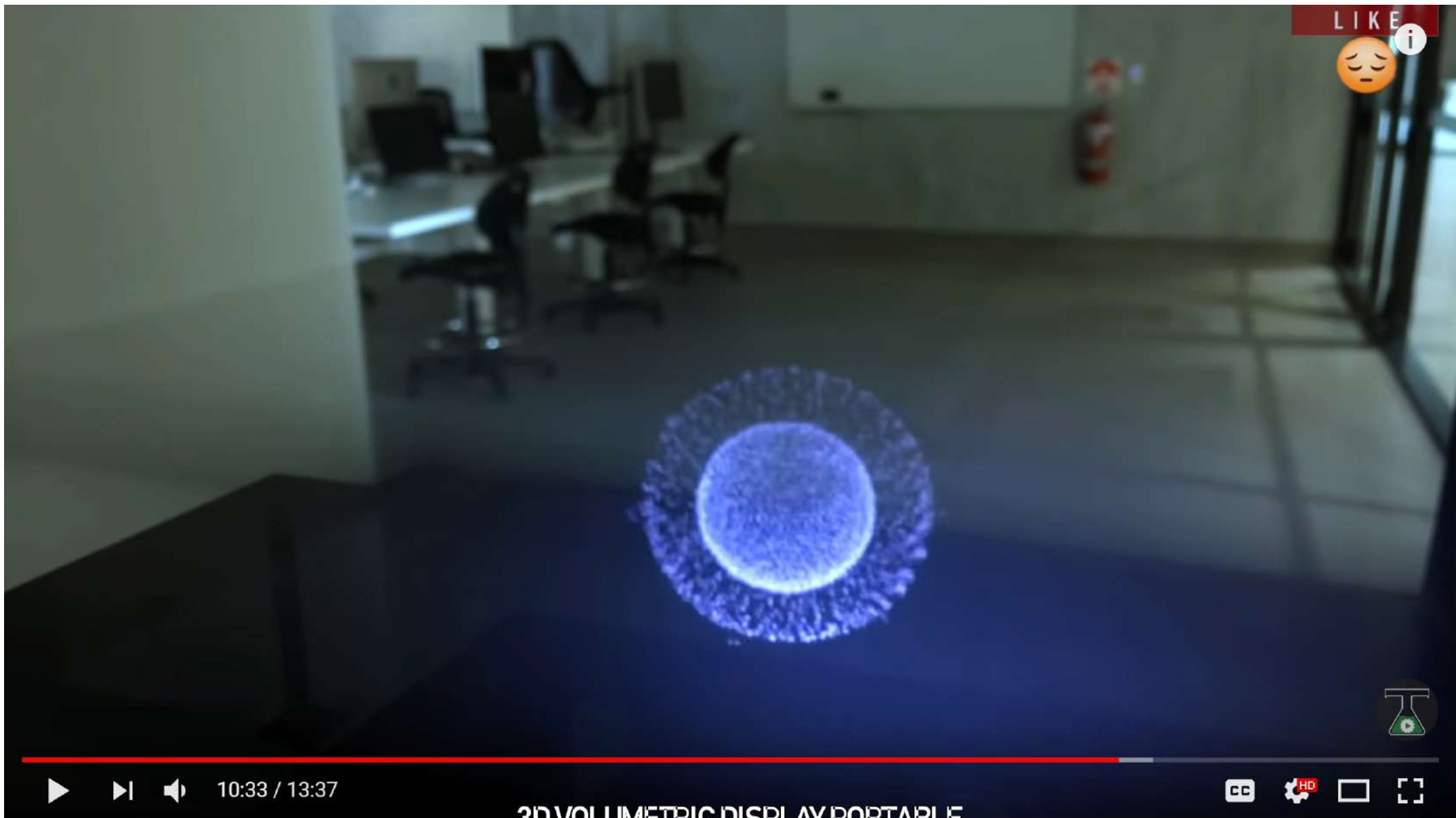


HoloLamp



9:39 / 13:37



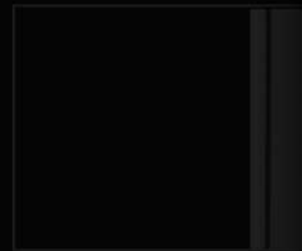


3D VOLUMETRIC DISPLAY PORTABLE

mdhhologram.com

Home

lio Con



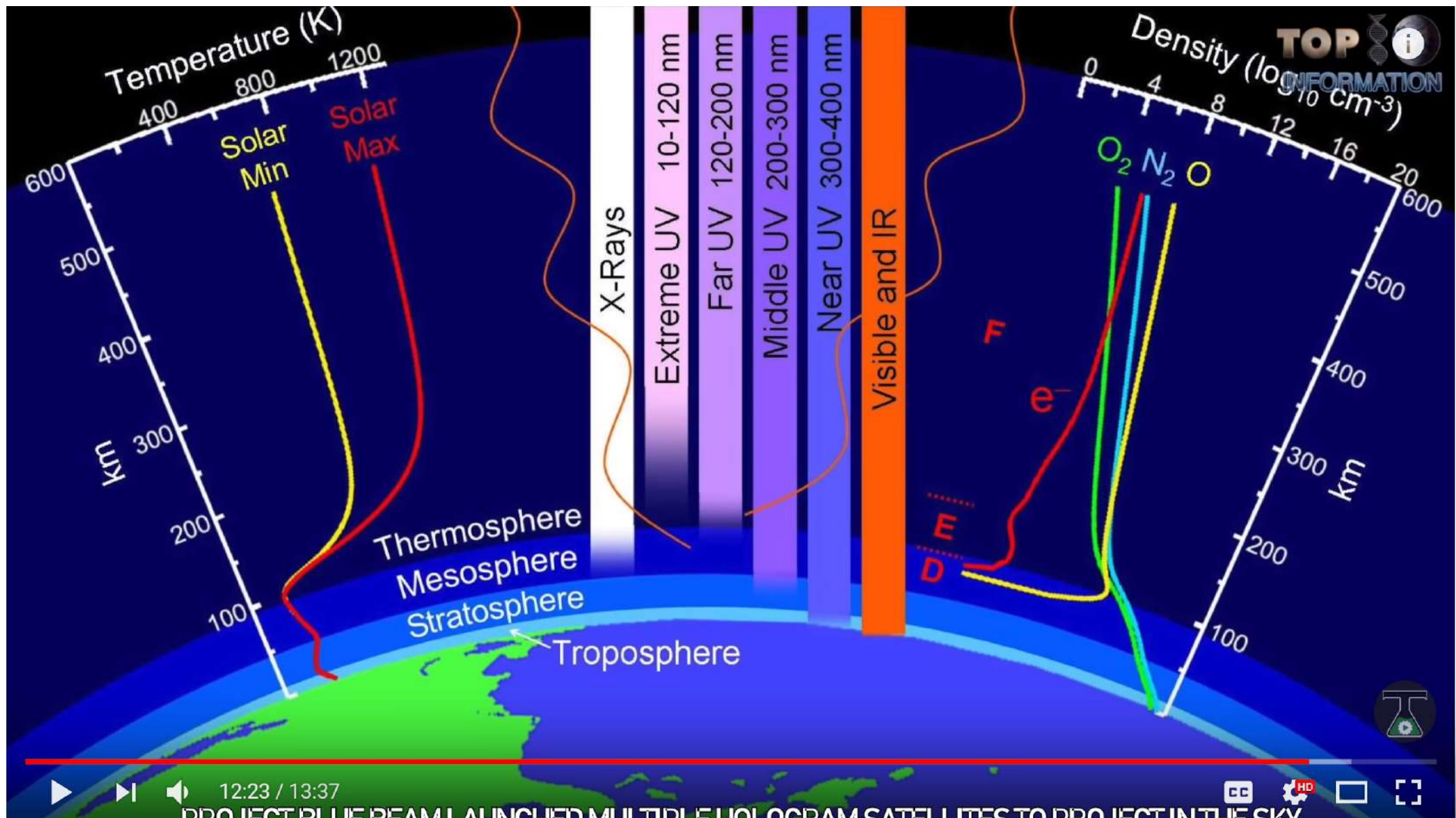
Telepresen
technology

ncing

Telepresence has a long, successful legacy. Inspired by video



MIDH HOLOGRAM CONFERENCE AND LARGE SCALE HOLOGRAPHICS

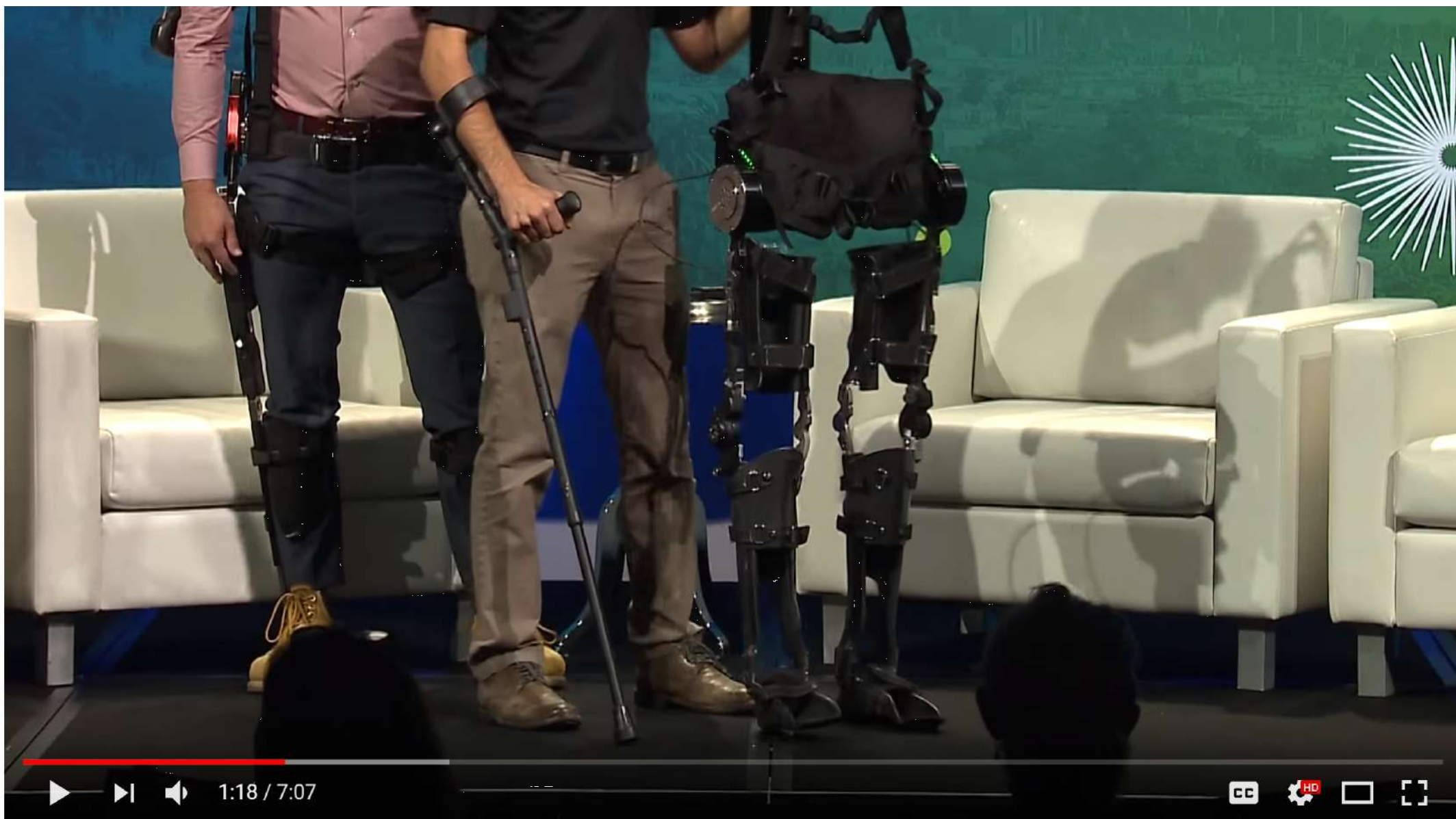


PROJECT BLUE BEAM LAUNCHED MULTIPLE HOLOGRAM SATELLITES TO PROJECT IN THE SKY



12:27 / 13:37





SVCF Innovation Conference - Demonstration by suitX



Very Rare Three Submarines Surfaced In The Arctic At Once For ICEX 2018



5 Ice Breaking Ships Braving the Arctic Circle



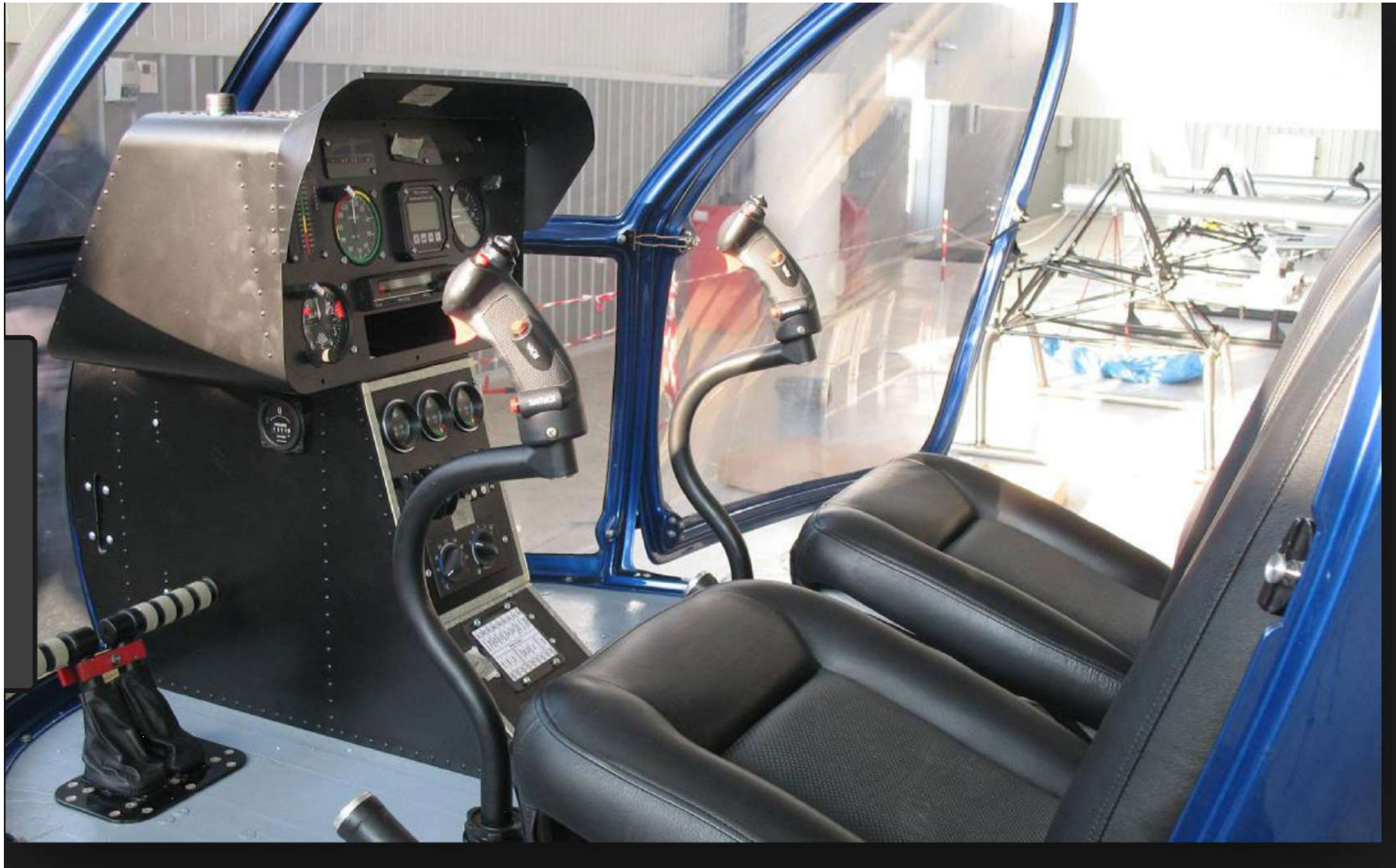
1. Control stabilizer

2. Shut down electricity

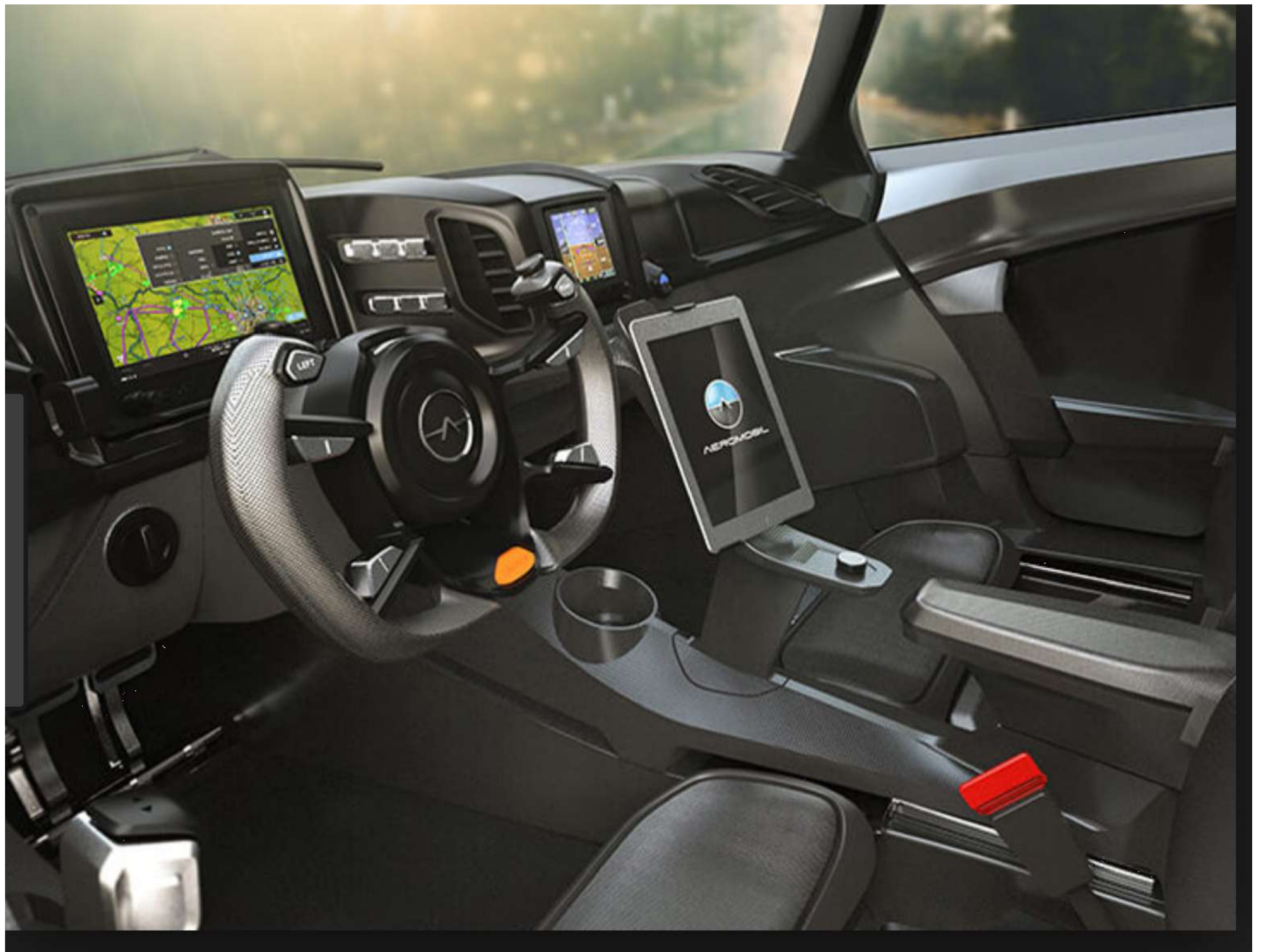
3. Turn wheel











Terrafugia 

The TF-X

▶ ⏸ 🔊 0:09 / 2:51

⚙️ 🖼️ 📺

Terrafugia 



Just tell it where you want to go



0:46 / 2:51




It flies for you



0:50 / 2:51



Terrafugia 



MAVERICK



FREEZE HD



3:15 / 5:29





FREEZE HD

▶ ⏸ 🔊 3:27 / 5:29

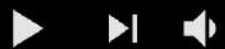




www.aeromobil.com



Freeze HD



4:29 / 5:29

FREEZE HD





www.aeromobil.com



FREEZE HD



4:46 / 5:29





www.a



Freeze HD



4:48 / 5:29



FREEZE HD



www.aeromobil.com



powered by LINTAS

FREEZE HD



5:07 / 5:29





www.aeromobility.com



Freeze Units

FREEZE HD



5:08 / 5:29



www.aeromobil.com



Freeze HD



4:53 / 5:29









1:30 / 5:29


CC HD









TERRAFUGIA

AOPA



2:01 / 5:29



FREE HD







Avro VZ 9 Avrocar



Moller's 20 MPG Flying Skycar.



abc10.com



1:52 / 4:28



abc10.com

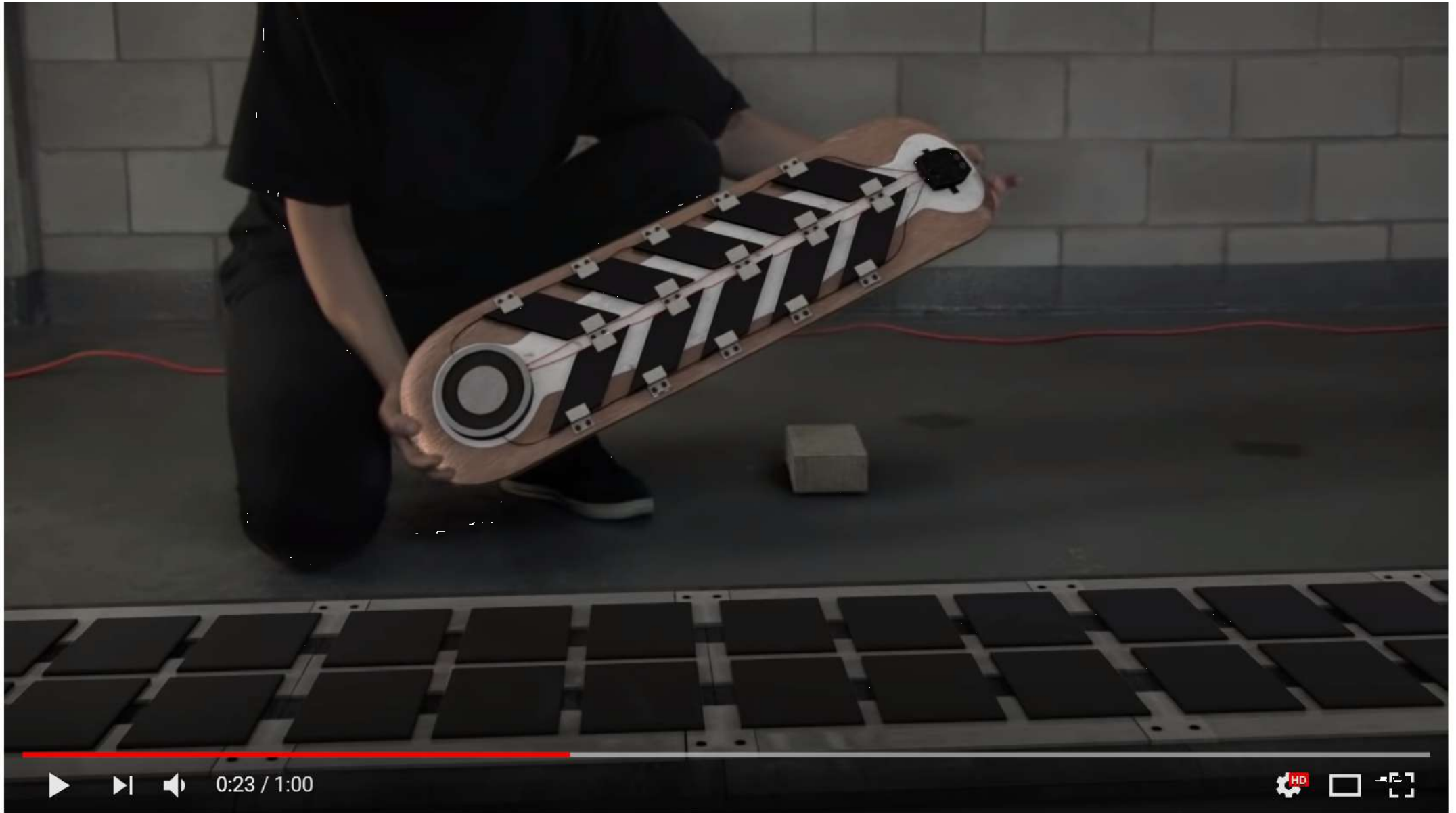


4:12 / 4:28



HD





Project Hover Magnet





SOURCE: LEXUS INTERNATIONAL



SUBSCRIBE



0:16 / 5:36



Riding the Lexus hoverboard in Spain



SUBSCRIBE



1:45 / 5:36





SUPERCONDUCTING MAGNET LEVITATION





The car really can float.



2:52 / 5:09



HD





YOUTUBE/RENAULT UK

Mashable

Three sleek, dark, spherical hover cars with glowing yellow underglows are shown from a low angle, driving on a dark road. The background features a hazy sunset or sunrise over a mountain range.

It would use **Meglev** tech,
or magnetic levitation

M

▶ ▶| 🔊 0:43 / 1:31

⚙️ HD 📺 🗐

Renault Float hover car

YOUTUBE/RENAULT UK

Mashable



M



1:00 / 1:31



YOUTUBE/RENAULT UK

Mashable



**Multiple pods to be
attached for more
passengers to ride**

M



1:10 / 1:31









Less than 5 percent of skin is blood vessel, so when a mosquito comes for lunch, it has to fish. It casts its **proboscis** back and forth under the skin, sawing through tissue and probing in 10-second intervals until it strikes a small blood vessel, or capillary.

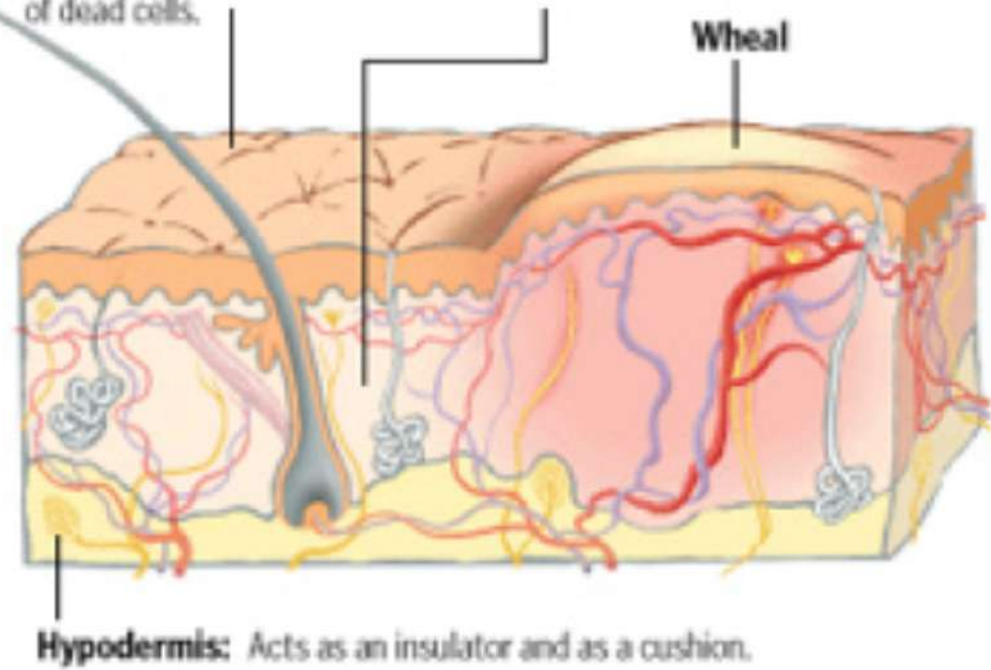
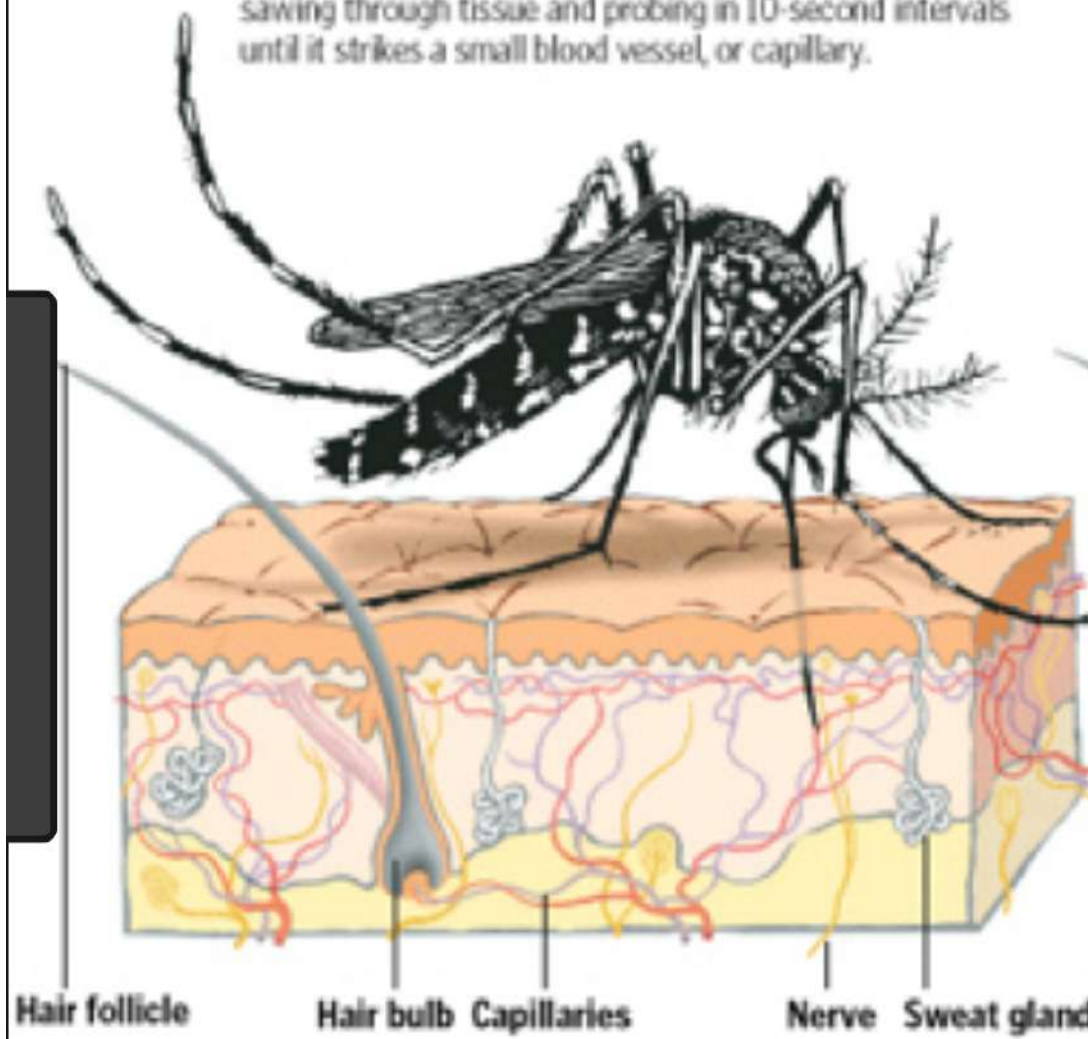
Saliva from the mosquito contains an anticoagulant to keep the blood from clotting so the mosquito can feed easily.

To combat the foreign substance, the immune system releases a chemical called histamine. Histamine causes blood vessels near the bite to enlarge. This causes a **wheel** (a red, swollen area) to form on the skin. Histamine also irritates nerve endings in the skin and makes you itch.



The mosquito must pierce the **epidermis**, a thin upper layer of the skin made of several layers of living cells topped by sheets of dead cells.

Bundles of tough fibers that give the skin its elasticity, firmness and strength help make up the **dermis**. Blood vessels and nerves are here.







SUBSCRIBE

▶ ⏸ 🔊 7:32 / 8:54

CC ⚙️ HD 📺 🖱️



Matt Chasen and his team at Lift Aircraft



SUBSCRIBE

7:47 / 8:54

CC HD





2019 Rezvani Tank X exterior, interior and drive test



▶ ⏸ 🔊 14:11 / 19:01





REZVANI BULLETPROOFTANK



BLACKFLY FLYING CAR



Blackfly by Opener

THE
Sun



▶ ▶| 🔊 1:11 / 2:17

⚙️ HD □ 📺

Safety first

At Opener, we designed a new aircraft with safety as our highest priority. Fitted with triple-modular redundant flight systems, control surfaces, and sensors, our aircraft provides a new way to confidently take to the skies.

— Tried and tested

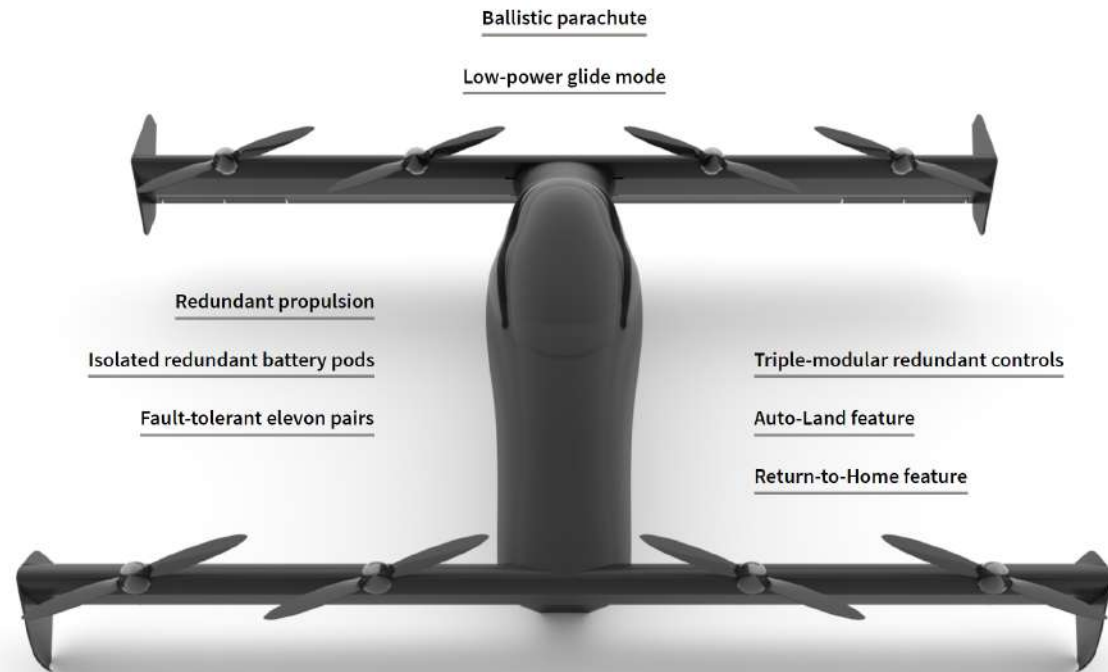
- > 22,000 miles flown with payload
- > 40,000 full-length propulsion system flight cycles: equivalent to 25 circumnavigations of the earth

+ Fault-tolerant design

+ Ease of operation

+ Simple user interface

+ Backup landing systems



A Complete Solution



Transportable

Disassembles and fits within a small trailer



Easy Assembly

From storage to sky in 30 minutes



Super Charging

80% charge in 25 minutes



Amphibious

Operates in multiple environments

A Complete Solution



Transportable

Disassembles and fits within a small trailer



Easy Assembly

From storage to sky in 30 minutes



Super Charging

80% charge in 25 minutes



Amphibious

Operates in multiple environments